

COUNTY PALATINE OF LANCASTER.

REPORT



OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1915.

WITH STATISTICAL INFORMATION FROM REPORTS OF
DISTRICT MEDICAL OFFICERS OF HEALTH.

(Presented to the County Council, November 2nd, 1916.)



COUNTY COUNCIL.

PRESTON :

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CONTENTS.

	PAGE.
PREFATORY REMARKS	vii.
AREA	xi.
POPULATION	xi.
BIRTHS AND BIRTH-RATES	xii.
DEATHS AND DEATH-RATES	xv.
INFANT MORTALITY Table A.	xix.
Notification of Births Acts, 1907 and 1915	xxiv.
Maternity and Child Welfare	xxv.
DEATHS FROM THE PRINCIPAL EPIDEMIC DISEASES.....	xxx.
SMALL-POX	xxxii.
MEASLES	xxxiii.
SCARLET FEVER	xxxvii.
WHOOPIING COUGH	xlii.
DIPHTHERIA AND CROUP.....	xlii.
ENTERIC FEVER	xliv.
DIARRHŒA AND ENTERITIS	xlvi.
ACUTE POLIOMYELITIS AND CEREBRO-SPINAL FEVER	xlvi.
INFLUENZA	xlvi.
BRONCHITIS AND PNEUMONIA	xlvi.
ORGANIC HEART DISEASE	xlix.
PHTHISIS (PULMONARY TUBERCULOSIS).....	xlix.
TUBERCULOSIS REGULATIONS, 1912 Tables B & C	li.
CANCER	li.
NOTIFICATION OF INFECTIOUS DISEASES Table D	li.
ISOLATION HOSPITALS	lii.
DISINFECTION	li.
SANITARY ADMINISTRATION :—	
HOUSING OF THE WORKING CLASSES	lvi.
NUISANCES	lxi.
CLOSET ACCOMMODATION	lxi.
CANAL BOATS	lxiii.
SLAUGHTER-HOUSES, PUBLIC ABATTOIRS.....	lxiii.
FOOD INSPECTION	lxiv.
DAIRIES, COWSHEDS, AND MILKSHOPS	lxv.
SMOKE OBSERVATIONS	lxvii.
SCAVENGING AND REFUSE REMOVAL	lxvii.
HOUSE DRAINAGE, SEWERAGE, AND SEWAGE DISPOSAL	lxix.
WATER SUPPLY.....	lxxi.
SHOPS ACTS, 1912 AND 1913	lxxiii.
MIDWIVES ACT, 1902	lxxiii.
SALE OF FOOD AND DRUGS ACTS, 1875-1907	lxxvii.

URBAN DISTRICTS.

COMPARATIVE STATISTICS—

	PAGE.		PAGE.
Abram	1	Heywood Borough	14
Accrington Borough	1	Hindley	14
Adlington	1	Horwich	15
Ashton-in-Makerfield	2	Hurst	15
Ashton-under-Lyne Borough	2	Huyton-with-Roby	15
Aspull	2	Ince-in-Makerfield	16
Atherton	3	Irlam	16
Audenshaw	3	Kearsley	16
Bacup Borough	3	Kirkham	17
Barrowford	4	Lancaster Borough	17
Billinge	4	Lathom and Burscough ...	17
Bispham-with-Norbreck ...	4	Lees	18
Blackrod	5	Leigh Borough	18
Brierfield	5	Leyland	18
Carnforth	5	Litherland	19
Chadderton	6	Littleborough	19
Chorley Borough	6	Little Crosby	19
Church.....	6	Little Hulton	20
Clayton-le-Moors	7	Little Lever	20
Clitheroe Borough	7	Longridge	20
Colne Borough	7	Lytham	21
Crompton	8	Middleton Borough	21
Croston	8	Milnrow	21
Dalton-in-Furness	8	Morecambe Borough	22
Darwen Borough	9	Mossley Borough	22
Denton	9	Nelson Borough	22
Droylsden	9	Newton-in-Makerfield	23
Eccles Borough	10	Norden	23
Failsworth	10	Ormskirk.....	23
Farnworth	10	Orrell	24
Fleetwood	11	Oswaldtwistle	24
Formby	11	Padiham	24
Fulwood	11	Poulton-le-Fylde	25
Golborne	12	Preesall	25
Grange-over-Sands	12	Prescot	25
Great Crosby	12	Prestwich	26
Great Harwood	13	Radcliffe	26
Haslingden Borough	13	Rainford	26
Haydock	13	Ramsbottom	27
Heysham.....	14	Rawtenstall Borough	27

	PAGE.		PAGE.
Rishton	27	Ulverston	31
Royton	28	Upholland	32
St. Annes-on-the-Sea	28	Urmston	32
Skelmersdale	28	Walton-le-Dale	32
Standish-with-Langtree ...	29	Wardle	33
Stretford	29	Waterloo-with-Seaforth ..	33
Swinton and Pendlebury ...	29	Westhoughton	33
Thornton.....	30	Whitefield	34
Tottington	30	Whitworth	34
Trawden	30	Widnes Borough	34
Turton	31	Withnel	35
Tyldesley-with-Shakerley...	31	Worsley	35

RURAL DISTRICTS.

COMPARATIVE STATISTICS—

	PAGE.		PAGE.
Barton-upon-Irwell	36	Limehurst	39
Blackburn	36	Lunesdale	39
Burnley	36	Preston	40
Bury	37	Sefton	40
Chorley	37	Ulverston	40
Clitheroe	37	Warrington	41
Fylde	38	West Lancashire	41
Garstang	38	Whiston	41
Lancaster	38	Wigan	42
Leigh	39		

APPENDIX.

	PAGE.
TABLE I.—URBAN DISTRICTS.—Area, Population, Birth-rate, Death-rates, Deaths at certain ages, &c.	44
TABLE II.—URBAN DISTRICTS.—Death from certain specified causes	52
TABLE III.—RURAL DISTRICTS.—Area Population, Birth-rate, Death-rates, Deaths at certain ages, &c.	63
TABLE IV.—RURAL DISTRICTS.—Deaths from certain specified causes	65
METEOROLOGICAL TABLES	68

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REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For the Year ended December 31st, 1915.

*To the County Council of the County Palatine of
Lancaster.*

Mr. Chairman and Gentlemen,

I have the honour to present for your consideration the Twenty-seventh Annual Report on the health, sanitary condition, and administration of the Administrative County of Lancaster, for the year ended 31st December, 1915.

The statistics for 1915 as regards births and deaths are not so satisfactory as in the preceding year. The birth-rate was the lowest recorded, and corresponded to 19·78 per 1,000 of the estimated population, or 2·24 per 1,000 below the rate of 1914. The fall in the County birth-rate since 1891 represents no less than 12·15 per 1,000. The general death-rate—15·32 per 1,000 of the “estimated civil population”—was the highest recorded since 1904; the increase, as compared with the year 1914, was 1·37, and the rate for the year under report was 1·20 above the mean of the ten years 1905-1914. It should, however, be borne in mind that the death-rate and other mortality averages for 1915 are calculated on a population from which a large number of men in the naval and military services are excluded (see page xi). The epidemic death-rate, 1·52 per 1,000, is also in excess of the average of the preceding year, the increase, representing 0·27 per 1,000,

being almost entirely due to fatalities from measles. The infant mortality, calculated per 1,000 births, was 119, or 7 per 1,000 above the rate of 1914. The death-rate from pulmonary tuberculosis was also fractionally higher.

It is satisfactory to note that there has been a considerable development in the campaign against infant mortality, Infant Welfare Centres or Schools for Mothers having been established in the County in thirty-six districts, and the number of district health visitors is gradually being increased.

Owing to the war many schemes for improvements in housing, projected by Sanitary Authorities, have been necessarily postponed, but it is to be regretted the progress of the last two or three years, as regards the conversion of privy middens and pail closets, has been considerably retarded during 1915. Sanitary Authorities have been requested by the Local Government Board not to unduly relax, during the present war crisis, the standard of public health administration, and in a large number of instances, insistence on privy conversion can properly come under the head of "work urgently needed for the removal of nuisances and for the protection of health."

The Local Government Board, by circular dated December, 1914, requested district Medical Officers of Health, in the interests of economy, to reduce their Annual Reports. The Board consider that many of the details usually inserted in the Annual Report, such as a description of the district, and of the water supply, sewerage, and sewage disposal, &c., may be omitted, and that the Report may be confined to a record of what has taken place during the year.

Effort has been made on the ground of economy to curtail the County report, and by certain re-arrangements practically the whole of the matters dealt with in previous years have been again included. New tabular statements contain, in concise form, much of the information previously given in the

summaries of district reports, and the usual abstracts from the latter are now given under the heading of the particular subject commented upon.

Annual Reports and Statistical Tables were received from Medical Officers of Health of all the County districts, 123 in number, but there was, in many instances, considerable delay in forwarding the reports, three of which did not come to hand until the middle of September, 1916. Undue delay in the receipt of district reports and tables causes great inconvenience in the compilation of the County report, as it is obvious County rates cannot be calculated until ALL district reports are received.

Special reports supplied during 1915, under the Sanitary Officers' Order, 1910, Article XIX. (16), numbered 118. against 132 and 171 in the two preceding years.

Thanks are due to district Medical Officers of Health for assistance rendered to the County Authority in many respects, and for the regular supply of weekly and quarterly returns.

From the Exchequer Contribution Account payments have been made towards the salaries of Public Health Officials under Section 24 of the Local Government Act, 1888, to the Councils of 17 boroughs, 85 urban districts, 19 rural districts, and 2 port sanitary authorities. The total payments during the financial year ended March 31st, 1916, amounted to £11,847 0s. 3d., of which £5,159 6s. 0d. was in respect of Medical Officers of Health, and £6,687 14s. 3d. for Sanitary Inspectors.

I am, Gentlemen,

Your obedient Servant.

EDWARD SERGEANT.

County Medical Officer of Health.

Preston, 18th October, 1916.

THE COUNTY.

Area.—The area of the Administrative County on the 31st day of December, 1915, was 1,055,395 statute acres ; no change affecting the area of the County took place during the year.

The area of each County district is given in Tables I. and III. appended (pages 44 *et seq.*). The figures used have been extracted from the Report of the Census, 1911.

Population.—The Registrar-General in February, 1916, supplied to each district Medical Officer of Health, through the County Health Department, a statement of the “estimated civil population” of his district, the aggregate of the estimates for the urban and rural districts comprising the Administrative County amounting to 1,666,488 (see Table, page xii.).

This estimate is based on the Returns of the National Register made on the 15th August, 1915, and refers to the civil population only. As all deaths of members of the combatant forces are excluded from the local statistics, the estimate referred to is used in the calculation of the district and County mortality averages, but the birth-rates are calculated on the estimated population of 1914 as the births registered are not only those of the children of civilians but *all* births.

At the Census, 1911, the enumerated population of the Administrative County was 1,739,320 (including Public Institutions). Since that date the excess of births over deaths amounts to 64,928 but a loss of population, representing 37,868, has been sustained by the extension of County Boroughs.

Tables I. and III. appended give the Census and the estimated civil population of each urban and rural district.

The table below gives particulars as to area, population, persons per acre, &c., of the County at the end of the year 1915, distinguishing the boroughs and urban and rural districts :—

	Area in Acres.	Population.		Persons per Acre.	Acres per Person
		Census, 1911.	Estimate of Civil Population, 1915.		
		Calculated on Census figures.			
Municipal Boroughs (18).	77,983	546,183	528,615	7·00	0·14
Urban Districts (86)	262,213	908,471	908,104	3·46	0·28
Rural Districts (19)	715,199	232,806	229,769	0·32	3·07
Administrative County..	1,055,395	1,687,460	1,666,488	1·59	0·62

Births.—During the year under report the births registered in the Administrative County, after allowing for inward and outward transfers under the system of the Registrar-General now in vogue, amounted to 34,595—in the urban districts 30,094, and in the rural districts 4,501. Comparison with last year shows there was a decrease of 3,912 births, 3,437 in the urban districts, and 475 in the rural districts.

The sex of the children born is shown below :—

	Males.	Females.	Total.
Urban Districts	15,374	14,720	30,094
Rural Districts	2,301	2,200	4,501
Administrative County ...	17,675	16,920	34,595

Births of males continue to be more numerous than female births, the excess in 1915 corresponding to 2·19 per cent., as compared with 1·29 per cent. last year, and 0·63 per cent. in 1913. In the whole County the births of males were to those of females as 1,044 is to 1,000, the urban and rural ratios being practically the same. In 1914 the proportion of male to female births was as 1,026 is to 1,000.

The table below gives the County urban and rural birth-rates for the year under report, calculated, as instructed by the Registrar-General (see page xi.), on the estimated population of 1914, compared with the preceding ten years; the annual birth-rates for England and Wales are also shown :—

	Rate per 1,000 of the Population.										
	1915.	1914.	1913.	1912.	1911.	1910.	1909.	1908.	1907.	1906.	1905.
Urban Districts	19·91	22·19	22·41	22·09	22·88	22·47	23·67	25·05	24·47	25·11	25·22
Rural Districts..	18·95	20·95	20·86	21·42	21·15	22·52	22·91	23·60	22·60	24·22	23·99
Administrative County	19·78	22·02	22·20	22·00	22·64	22·48	23·57	24·86	24·23	24·99	25·06
England and Wales.....	21·8	23·8	23·9	23·8	24·4	24·8	25·6	26·5	26·3	27·0	27·2

A marked decline in the birth-rate is recorded, both as regards the Administrative County and the whole of England and Wales, the fall in the rate as regards the County area being greater than in any one year since statistics were available. As compared with last year, the County rate declined 2·24 per 1,000—2·28 in the urban districts, and 2·0 in the rural districts. The rate for England and Wales was 2·0 below the preceding year's average, but was 2·1 per 1,000 above the County rate.

For the decennial period 1905-1914 the County rate averaged 23·40 per 1,000—urban districts 23·55, rural districts

22·42 ; the County rate for 1915, therefore, showed a decline of 3·62 per 1,000, 3·64 in the urban districts, and 3·47 in the rural districts.

The declining birth-rate is commented upon by several district Medical Officers of Health in their reports, “conscious limitation of fertility” being given as one of the main causes of the reduction.

Dr. Rigby (Adlington), writes :—“The remarkable fall I attribute partly to the extraordinary conditions produced by the war, partly to the increased desire for public amusement with consequent less desire for home responsibilities, and, finally, to the ever-present hustling methods of obtaining a moderate livelihood.”

Dr. Chadwick (Milnrow), reports :—“These (the rates for 1914 and 1915) are the two lowest birth-rates ever recorded in the district, and the fact that the deaths exceed the births is a very serious one, especially in view of the heavy loss of life owing to the war.”

Tables I. and III. appended (page 44 *et seq.*) give the birth-rate of each urban and rural district ; in 17 districts the rate for 1915 was higher than in 1914, but in most instances only fractionally. In 11 districts the birth-rate was lower than the death-rate.

The highest birth-rates were attained in Ince-in-Makerfield 31·0, Litherland 30·0, Skelmersdale 29·5, Widnes (B.) 28·4, Upholland and Haydock each 28·2, Orrell 28·1, Golborne 27·7, Irlam 27·6, Hindley 27·5, and Prescot 27·2 ; whilst low rates were recorded in Heysham 13·4, Morecambe (B.) 13·1, Lytham 12·6, Fulwood 11·8, Bispham-with-Norbreck 9·8, St. Annes-on-the-Sea 8·8, and Grange-over-Sands 7·5.

ILLEGITIMATE BIRTHS.—From 117 districts information has been obtained concerning 1,136 births of illegitimate children, corresponding to 3·51 per cent. of the total births in these districts. Last year the percentage in districts supplying this information was 3·41. From 102 districts, details are available, as regards 1915, of both births and deaths of illegitimate children; of 984 illegitimate children born in these districts, 249, or 25·3 per cent. died before reaching the age of one year. The *total* infant death-rate of the whole County corresponded to 11·9 per cent. of the total births. In 1914 the percentage of infant deaths to total births was 11·2, and 20·7 amongst illegitimate children. The highest mortality amongst illegitimates in 1915 was obtained in Chorley (B.) 27 births 10 deaths, Eccles (B.) 35 births 13 deaths, Farnworth 17 births 9 deaths, Great Harwood 5 births 5 deaths, Kearsley 8 births 6 deaths, Oswaldtwistle 12 births 8 deaths, Royton 18 births 6 deaths, Skelmersdale 7 births 5 deaths, Stretford 22 births 8 deaths, Waterloo-with-Seaforth 10 births 6 deaths, &c.

Deaths.—The Registrar-General, in a memorandum dated February, 1916, stated, the attention of Medical Officers of Health is drawn to the fact that for the year 1915 it is proposed to exclude from the returns for local areas the deaths of all members of the armed forces of this or other Countries, and not only of those dying in Institutions. The estimates of local populations to be used by Medical Officers are estimates of civilian population only, and it is, therefore, appropriate that all deaths of combatants should be excluded in the calculation of death-rates founded upon them.

The total number of deaths of civilians registered in the Administrative County during the year 1915, after allowing for the necessary transfer corrections, was, according to the

tables supplied by district Medical Officers of Health, 25,546, or 1,154 in excess of the corrected total of 1914. The natural increase, or excess of births over deaths, was 9,049, as compared with 14,115 last year, and 13,982 in 1913.

The sex distribution of the persons dying in 1915 is shown below :—

	Males.	Females.	Total.
Urban Districts	11,370	11,056	22,426
Rural Districts	1,603	1,517	3,120
Administrative County ...	12,973	12,573	25,546

As in many past years, the male deaths again exceeded the female deaths, the respective percentages being 50·78 and 49·21, a difference of 1·57 per cent. ; in the urban districts the preponderance of male deaths represented 1·41 per cent. and 2·75 in the rural districts. In the whole County the deaths of males were to those of females as 1,031 is to 1,000 ; in the urban districts as 1,028 is to 1,000, and in the rural districts as 1,056 is to 1,000.

The County deaths at the various age periods are given below :—

Under 1 Year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	Total.
4,130	1,464	1,139	1,078	1,028	3,027	6,239	7,441	25,546

As stated on page xi., the death-rates for 1915 are calculated on the Registrar-General's estimate of the civilian population,

The following table shows the County birth and death-rates as compared with England and Wales :—

	Birth-rate per 1,000 of the Population.	Per 1,000 of the Population.		Death-rate from the Principal Epidemic Diseases.	Rate of Infant Mortality measured by the proportion of deaths of Infants under 1 year to 1,000 births.
		Urban Death-rate.	Rural Death-rate.		
Administrative County of Lancaster	Urban	19.91	15.60 ...	1.60	123
	Rural	18.95	... 13.57	0.97	94
	Urban and Rural Districts combined	19.78	15.32	1.52	119
England and Wales	21.8	*15.2	†14.8	||1.29	110
		‡14.8			

* Refers to the 96 great towns and 148 smaller towns.

† Refers to the remainder of the country, including the small urban districts and the rural districts. } Not corrected.

‡ Standardized rate. Crude rate, 15.1.

|| Includes deaths from diarrhoea and enteritis amongst children under 2 years of age. The County epidemic rate includes such deaths at *all* ages.

The table below gives the death-rates of the County—distinguishing the urban and rural rates, and also the average for England and Wales from 1905 to 1915 :—

	Death-rate per 1,000 of the Population.										
	1915.	1914.	1913.	1912.	1911.	1910.	1909.	1908.	1907.	1906.	1905.
Urban Districts	15.60	14.17	14.39	13.76	15.33	12.83	14.08	14.61	14.59	14.81	14.52
Rural Districts	13.57	12.53	13.00	12.60	13.25	12.09	13.11	13.31	13.11	13.33	12.99
Administrative County	15.32	13.95	14.20	13.61	15.05	12.73	13.96	14.45	14.40	14.62	14.32
*England and Wales... ..	14.8	13.7	13.4	13.0	14.6	13.4	14.5	14.7	15.0	15.4	5.

* Corrected for age and sex distribution.

The death-rate for the County in 1915 was the highest recorded since 1904, and was 1·37 per 1,000 of the population higher than the rate of 1914, the excess corresponding to 1·43 per 1,000 in the urban districts and 1·04 in the rural districts. It should, however, be borne in mind that this rate is calculated on a population depleted by a considerable proportion of the male adult population now in His Majesty's forces.

The average County death-rate for the ten years 1905-1914 was 14·12 (urban districts 14·30, rural districts 12·93).

The death-rates of each of the County districts, together with details of the deaths, are shown on Tables I. to IV. appended, pages 44 to 67, and the mortality rates of each district in 1915, are compared with the preceding year, and the decennial period 1905-1914 on pages 1 to 42.

High death-rates in 1915 were attained in Golborne 22·8, Ince-in-Makerfield 20·7, Widnes (B.) 20·4, Leigh (B.) 19·5, Upholland 19·4, Ashton-under-Lyne (B.) 19·3, Hindley 19·2, Haydock and Hurst each 18·9, Morecambe (B.) 18·5, Farnworth 18·4, Milnrow 18·3, and Heywood (B.) 18·1.

As death-rates for any single year of districts with a comparatively small population are apt to be misleading, the rates are given below of the districts with the highest average for the ten years 1905-1914 :—Ince-in-Makerfield 19·0, Lees 18·7, Ashton-under-Lyne (B.) 17·7, Royton 17·5, Kirkham 17·2, Heywood (B.) and Widnes (B.) each 17·0, and Skelmersdale 16·8.

Low death-rates were recorded in 1915 in Nelson (B.) 10·9, Horwich 10·8, Fulwood 10·6, Irlam 10·1, Formby 9·5, Great Crosby 9·4, Little Crosby and Urmston each 8·3, Croston 8·2, and Trawden 7·5.

TRANSFERABLE BIRTHS AND DEATHS.—During the year, under the system of transfer, inaugurated by the Registrar-General, the County Public Health Department has allocated to their proper districts 3,176 deaths of persons who, having a fixed or usual residence, died in a district other than that in which they resided ; these are known as inward transfers. From County districts 4,002 deaths of non-residents were outwardly transferred. As instances in which large numbers of deaths, mainly in Public Institutions, are excluded from the districts in which they occur, the following may be cited :—Whiston (R.) 516, Lancaster (B.) 371, Prestwich 301, Farnworth 284, Ashton-under-Lyne (B.) 263, Wardle 261, Fulwood 253, Preston (R.) 228, &c.

Births are similarly dealt with ; of births occurring in Public Institutions (mostly Workhouses), 178 have been allocated to County districts, and 194 transferred away. Of the former, 102 were illegitimate and 167 of the latter.

Infant Mortality.—The rate of infant mortality in 1915, measured by the proportion of deaths under one year of age to 1,000 registered births, corresponded to 119 for the Administrative County, 123 for the urban districts, and 94 for the rural districts. The rate for the whole County is 7 per 1,000 in excess of that for the year 1914, but there is a slight reduction in the rate for the rural districts. Compared with the average infant death-rate for the ten years 1905-1914, there was a reduction in 1915 of 5 per 1,000 births. The rate for England and Wales for the year under review was 9 per 1,000 below the County rate.

The following table gives the infant death-rates for the Administrative County and those of England and Wales for the years 1905-1915 :—

	Deaths of Children under 1 Year to 1,000 Births.										
	1915.	1914.	1913.	1912.	1911.	1910.	1909.	1908.	1907.	1906.	1905.
Urban Districts.	123	115	128	106	148	121	119	136	129	143	137
Rural Districts..	94	96	100	89	111	93	87	97	96	109	101
Administrative County	119	112	124	104	144	117	115	131	125	139	132
England and Wales.....	110	105	109	95	130	106	109	121	118	133	128

The percentage of infant deaths to total deaths from all causes was 16·16, against 17·78 last year and 19·50 in 1913.

In 1 district the infant mortality exceeded 200 per 1,000 births ; in 16 districts it was between 150 and 200 ; in 55 districts between 100 and 150 ; and in 51 districts below 100.

The highest rates were as follow :—Poulton-le-Fylde (8 deaths) 205, Clayton-le-Moors 195, Golborne 189, Abram 175, Aspull and Farnworth each 171, Ashton-under-Lyne (B.) 169, Wigan (R.) 168, Ince-in-Makerfield 167, Leigh (B.) 165, and Little Lever 161. Low rates were recorded in Urmston 41, Preesall 37, Formby 34, St. Annes-on-the-Sea 31, Heysham 22, Withnell 15, and Bispham-with-Norbreck, Croston, Grange-over-Sands, and Little Crosby each nil.

Yearly averages, especially in comparatively small districts, fluctuate greatly. In the following districts the average rates for the ten years 1905-1914 were excessive :—Ince-in-Makerfield and Kirkham each 175, Farnworth and Lees each 173, Orrell 171, Ashton-under-Lyne (B.) 165, Skelmersdale 161, and Leigh (B.) 159.

The following table contrasts the infant mortality for 1915 with the three preceding quinquennia :—

TABLE A.

INFANT MORTALITY.—Nett Deaths during 1915 from stated Causes at various Ages
under One Year of Age.

CAUSE OF DEATH.				Under 1 Week.	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 4 Weeks	4 Weeks and under 3 Months	3-6 Months	6-9 Months	9-12 Months	Total Deaths under One Year.
ALL CAUSES.	Certified	..	..	805	215	199	156	1375	664	690	652	653	4034
	Uncertified	..	..	32	3	3	4	42	17	14	11	12	96
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	2	2
Measles	..	..	..	..	..	..	..	..	2	7	61	113	183
Scarlet Fever	..	..	..	..	..	..	..	..	1	1	..	3	5
Whooping Cough	..	..	..	..	1	1	1	3	26	28	44	44	145
Diphtheria and Croup	..	..	..	..	1	1	..	2	1	..	3	4	10
Erysipelas	..	..	..	..	..	..	2	2	4	..	1	1	8
Tuberculous Meningitis	..	..	..	..	..	..	..	..	5	8	15	10	38
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	6	10	14	13	43
Other Tuberculous Diseases	..	..	..	..	..	1	..	1	3	3	4	4	15
Meningitis (<i>not Tuberculous</i>)	..	..	..	..	1	..	..	1	4	22	21	22	70
Convulsions	..	..	..	41	17	12	11	81	40	51	33	24	229
Laryngitis	..	..	..	2	1	..	..	3	1	..	3	5	12
Bronchitis	..	..	..	4	9	15	8	36	78	106	86	84	390
Pneumonia (all forms)	..	..	..	2	5	4	5	16	61	114	157	161	509
Diarrhœa	..	..	..	1	4	1	5	11	51	70	49	34	215
Enteritis	..	..	..	3	8	16	16	43	74	98	68	50	333
Gastritis	..	..	..	..	1	2	5	8	13	19	13	6	59
Syphilis	..	..	..	3	2	3	2	10	10	6	2	..	28
Rickets	..	..	..	..	..	..	..	..	..	4	1	..	5
Suffocation, overlying	..	..	..	7	2	3	2	14	7	7	..	3	31
Injury at Birth	..	..	..	13	2	1	1	17	..	1	..	..	18
Atelectasis	..	..	..	16	7	1	1	25	2	..	..	..	27
Congenital Malformations	..	..	..	72	25	16	9	122	25	12	13	7	179
Premature Birth	..	..	..	466	70	50	32	618	61	16	2	2	699
Atrophy, Debility, and Marasmus	..	..	..	151	39	55	48	293	140	73	35	26	567
Other Causes	..	..	..	56	23	20	12	111	66	48	38	47	310
Totals				837	218	202	160	1417	681	704	663	665	4130

Years.	Birth-rate per 1,000 of Population.	Infant Mortality.		
		Rate of Deaths under One Year.		Percentage of Infant Deaths to Total Deaths at all ages.
		Per 1,000 Births.	Per 1,000 of the Population	
1900—1904	26·51	151	4·03	25·38
1905—1909	24·54	128	3·16	22·07
1910—1914	22·26	120	2·69	19·33
1915	19·78	119	2·47	16·16

Table A analyses the causes of deaths of infants in 1915 at various age periods. Of the total deaths (4,130) 837, or 20·2 per cent. occurred amongst children under the age of one week, and in the second, third, and fourth weeks of life 580 infants succumbed, or a total of 1,417 under the age of 4 weeks, representing 34·3 per cent. of the total infant deaths. Under the age of three months 2,098 deaths were recorded, equal to 50·7 per cent. of the total infant mortality.

The following extracts, on the subject of infant mortality, are taken from the reports of district Medical Officers of Health :—

Abram.—Infant death-rate greatly increased throughout the district, Bickershaw Ward rising from 49 per 1,000 births in 1914 to 183 per 1,000, Bamfurlong Ward had a rate of 203, and Plank Lane Ward 181.

Adlington.—The preservation of infant life has now become of paramount importance, and with this end in view a steady campaign is advocated for the abolition of privy middens, the substitution of water closets, and covered ashbins.

Aspull.—The infant rate is the highest rate we have had since 1911, and is an increase of 90·02 per 1,000 births over the figures of last year.

Bacup (B.).—Male children are much more difficult to rear than females, and it is specially worth noticing that in a record year for the district the mortality for males was 147 per 1,000, whilst for females it was only 55 per 1,000.

Chorley (B.).—I hope that the steps already taken by the Town Council to conserve infant life, viz., the appointment of a Health Visitor and the establishment of a Child Welfare Centre will be of great service in the further reduction of the infantile mortality, and that a great number of valuable lives will be saved to the town.

Dalton-in-Furness.—The wastage of infant life is very disquieting, if we take it side by side with the terrible wastage which is going on in the manhood of the country. The fact that so much stress is now laid on the question of child welfare, and that so much has been done, and is being done, both legislatively and administratively, in the direction not only of preserving child life, but also in the direction of regarding each infant as not merely a child but, at the same time, a potential man or woman, whose physical fitness and freedom from disease is a matter of the greatest economical concern to the community. Sanitary progress will doubtless do something to prevent the appalling waste of life, but I think that all our efforts in this direction will be fruitless, unless side by side with this progress something is done to educate the mothers of the nation as to the best method of rearing healthy offspring.

Haydock.—A handbill issued by the Haydock Council, drawing attention to the fact that a supply of sterilised humanised milk could be obtained from the neighbouring Borough of St. Helens, was given to each person registering a birth.

Heywood (B.)—At the present time with the terrible loss of our young men at the war, and with our very low birth-rate, it is of the highest importance that everything should be done to lessen the high infant mortality that exists in this town, and to improve the physical condition of the young and rising generation. The Notification of Births Act and the Local Government Board Order regarding measles will do much towards the attainment of these objects if the measures suggested are adopted, but the mere collection of statistics regarding the number of births and of measles will do nothing whatever to accomplish these very desirable ends.

Hindley.—The Council's attention was drawn to the great increase in the infant mortality, particularly in the first half-year; a Sub-Committee was appointed to go into the causes of the same and how to reduce it. The Warrington Infant Consultation Centre was visited, and in November it was decided to begin a similar work here. This was opened on December 21st.

Swinton and Pendlebury.—More adverse ante-natal conditions were in evidence than in previous years. Many mothers were the wives of soldiers, and had broken up their homes in order to stay with relatives, and thus save rent. Overcrowding was a consequence. More mothers went out to work, on account of the greater employment of women and the inducement of good earnings. Moreover, on account of mothers living together where homes have been given up, one mother at least considers she is available for wage earning. . . . A noticeable difference between attenders and non-attenders at the Baby Clinic is that those who attend are usually able to have entire or partial breast feeding for a longer period than those who do not attend, the reason probably being that the proper method of supplementing breast-milk is

explained and advocated at the Clinic. . . . Badly ventilated and dirty housing has more effect in producing bronchitis and pneumonia in infants, and in producing bad results when such diseases are established, than any other factors. Bad housing goes hand in hand with poverty and its associated malnutrition, and the infant subject of respiratory disease under such conditions has a highly prejudiced chance of survival. It generally dies. It is, therefore, of the greatest necessity that clean houses for the people be a watchword of local administration.

Wardle. — Many infant deaths can be traced to insufficient food, neglect, and mismanagement. It is rarely that children are wilfully neglected, but often through inexperience, carelessness, and lack of knowledge.

Widnes (B.).—The effect of privy conversions on the infant death-rate, which was noted in 1914, has been maintained throughout 1915, and further improvement has no doubt accrued therefrom. I am inclined, however, to credit this improvement, not only to the results of privy conversions, but also to the systematic health visitations—a factor which has operated concurrently with that of privy conversions. An extension of the scheme for infant welfare is urgently needed to combat the high mortality amongst infants in the Borough, and the necessity for taking all possible steps during the present war time, and for years following, to secure the health of expectant mothers and children, and to diminish ante-natal and post-natal infant mortality is obvious.

Notification of Births Acts, 1907 and 1915.—On the 1st September, 1915, by the Notification of Births (Extension) Act, 1915, the notification of births became compulsory throughout the country.

Prior to this Act coming into operation, 43 County districts (the names of which were published in the County Health Report for 1914, page xxviii.) had adopted the Act of 1907. The population of these 43 districts was almost one million, and the number of births occurring therein annually approximated twenty-thousand.

The 1915 Act provides that for the purpose of following up the notifications, and for facilitating arrangements for the care of expectant mothers, nursing mothers, and young children, County Councils and Sanitary Authorities may exercise all the powers of the Public Health Acts, 1875 to 1907.

Medical Officers of Health of districts in which the notification of births was not in vogue at the passing of the 1915 Act are required to send to the County Medical Officer of Health duplicates of any notices of births received by him as soon as may be after they are received.

Maternity and Child Welfare. — Health Visitors. — From information extracted mainly from district health reports, it appears that Infant Welfare Centres or Schools for Mothers (under various designations) have been established, or are under consideration, in 36 districts, as shown briefly in the following tabular statement.

Health Visitors, either whole or part-time, have been appointed in 51 districts.

District.	Mother and Child Welfare Centre.	Health Visitors appointed.
Abram... ..	...	Part time ; (whole time from 1st Jan., 1916)
Accrington (B.) ...	Infant Welfare Centre...	Whole time

District.	Mother and Child Welfare Centre..				Health Visitors appointed.
Ashton-in-Makerfield	Mothers' and Child Welfare Class opened 5th October, 1915. Meetings weekly for 2 hrs.				Whole time
Ashton-under-Lyne (B.)	Two Schools for Mothers are in active work.				Do. (2)
Atherton	Infant Welfare Centre (Voluntary helpers)				Do.
Audenshaw ... ..	...	...	...	...	Considering appointment of Health Visitor in conjunction with neighbouring Authority
Bacup (B.)	Maternity and Infant Welfare work being actively carried out				Whole time, from 1st January, 1916
Brierfield	Infant Aid Society established. Weekly lectures given and childrens' homes visited				Part time
Chadderton ... ..	...	...	...	...	Do. (2) (one at present on military service)
Chorley (B.)	Ladies' Committee formed and Infant Clinic started since beginning of 1916				Whole time
Clitheroe (B.)	Maternity Centre under consideration				Health Visitor also acts as School Nurse. Ante-natal visiting
Colne (B.)	Maternity Centre formed				Whole time
Crompton ... ..	...	...	...	...	Do.
Darwen (B.)	Mothers' Club ; babies weighed ; advice given				Part time ; also School Visitor

District.			Mother and Child Welfare Centre.	Health Visitors appointed.
Denton	...	...	Child Welfare Scheme adopted in January, 1916	Appointment of Health Visitor approved
Droylsden	...	...	Infants' Welfare Centre Meetings weekly	No appointment
Eccles (B.)	...	...	Baby Clinic established in January, 1915	Two "Baby" Visitors at work
Failsworth	...	...	Establishment of Child Welfare Centre deferred until County Council Scheme decided upon	Whole time
Farnworth	...	...	Mothers attend Health Office for advice; special days for consultation	Do. (2)
Golborne	...	...	...	Joint with Haydock
Great Harwood	...	...	...	Health Visitor appointed in December, 1915
Haslingden (B.)	...	...	...	Health Visitor also acts as School Nurse
Haydock	...	...	...	Joint with Golborne
Hindley	...	...	Baby Clinic and Infant Welfare Centre opened in December, 1915	Whole time
Horwich	...	...	Visiting and consultations with expectant mothers	Do. from 1st November, 1915
Hurst	...	...	School for Mothers established early in 1915	Whole time
Ince-in-Makerfield	...	...	...	Do.
Irlam	...	...	Maternity Centre in each Ward—Irlam and Cadishead	Part time

District.	Mother and Child Welfare Centre.						Health Visitors appointed.
Kearsley	Appointment of a Mothers' Visitor and Instructor has been strongly advocated
Lancaster (B.)	Two Health Visitors who also act as School Nurses
Lees	Part time
Leigh (B.)	Whole time
Littleborough...	Joint with Milnrow and Wardle
Little Lever	Medical Officer urges appointment of Health Visitor
Middleton (B.)	Whole time
Milnrow	Joint with Littleborough and Wardle
Morecambe (B.)	Appointment of part-time Health Visitor recommended
Mossley (B.)	Part time
Nelson (B.)	Whole time (2)
Newton-in-Makerfield	Do.
Norden	Arrangement with District Nursing Association

District.	Mother and Child Welfare Centre.	Health Visitors appointed.
Orrell	Child Clinic formed in May, 1915	District Nurse acts as Health Visitor
Oswaldtwistle ...	Child Welfare Scheme being developed	Whole time
Padiham	Maternity Centre ...	Do.
Radcliffe	School Clinic, Dental Clinic; Eye treatment	Whole time (2)
Ramsbottom	Baby Clinic in preparation	Do. from November, 1915
Rawtenstall (B.) ...	Nourishment allowed to poor families	Six District Nurses engaged as part-time Health Visitors
Royton ... ..	... ..	Whole time
Stretford	Clinic formed; advice given to mothers, and infants weighed, when necessary	Do.
Swinton & Pendlebury	Baby Clinic and School for Mothers. Virok, &c., supplied to needful cases	Do.
Tyldesley-with-Shakerley	Babies' Welcome and meetings for mothers held weekly	Do.
Ulverston	Council co-operating with the recently established Infant Welfare Centre	
Upholland ... ..	... ..	Part time
Wardle ... ..	... ..	Joint with Milnrow and Littleborough
Waterloo-with-Seaforth	School for Mothers commenced 18th October, 1915	Part time

District.	Mother and Child Welfare Centre.					Health Visitors appointed.
Westhoughton	Two District Nurses part time. Council have decided to appoint whole-time Health Visitor
Whitworth	Part time
Widnes (B.)	Whole time
Withnell	“ Babies’ Welcome ” established (voluntary organisation)			
Barton-upon-Irwell (R.)	Whole time
Chorley (R.)	Sub-Committee formed to deal with the matter			
West Lancashire (R.)	Resolution passed that, if the work is not undertaken by the County Council, the District Council will do so					

The Principal Epidemic Diseases. — The diseases usually classified under this heading, viz., small-pox, measles, scarlet fever, diphtheria (including membranous croup), whooping cough, fever (comprising enteric, typhus, and continued fever), and diarrhœa with enteritis, contributed 2,537 deaths (urban districts 2,313, rural districts 224), or 9·93 per cent. of the total deaths from all causes. In 1914 these diseases were responsible for 2,202 deaths, or 9·02 per cent. of the total mortality.

The death-rate for the year 1915 from these epidemic diseases corresponded to 1·52 per 1,000 of the population (1·60 in urban districts, and 0·97 in rural districts) representing, as

compared with the year 1914, increases in the County and urban rates of 0·27 per 1,000 and 0·18 in the rural rate. The increase was due almost wholly to the excess of deaths from measles—311 more than in 1914.

The table below gives the epidemic death-rates for the County during 1915, compared with the 10 years 1905-1914. The rates for England and Wales are also shown :—

YEAR.	Annual Death-rate per 1,000 of the population.							
	Principal Epidemic Diseases	Small-pox.	Measles.	Scarlet Fever.	Diphtheria (including Membranous Croup).	Whooping Cough.	* Enteric Fever.	Diarrhoea and Enteritis.
1905	1·37	0·0033	0·26	0·13	0·15	0·15	0·14	0·52
1906	1·71	nil.	0·36	0·11	0·16	0·13	0·14	0·79
1907	1·27	0·0005	0·37	0·09	0·15	0·28	0·09	0·26
1908	1·37	0·0005	0·18	0·10	0·16	0·24	0·12	0·54
1909	1·06	nil.	0·35	0·12	0·15	0·14	0·10	0·18
1910	1·00	nil.	0·15	0·10	0·11	0·23	0·10	0·29
1911	2·25	nil.	0·29	0·08	0·14	0·15	0·12	†1·43
1912	1·12	nil.	0·30	0·05	0·12	0·24	0·08	†0·30
1913	1·57	nil.	0·31	0·05	0·11	0·13	0·10	†0·85
1914	1·25	nil.	0·28	0·09	0·13	0·18	0·07	†0·48
County Average 10 years.	1·39	0·0004	0·28	0·09	0·13	0·18	0·10	0·56
1915								
COUNTY	1·52	nil	0·49	0·08	0·14	0·20	0·07	†0·52
Urban	1·60	nil.	0·51	0·08	0·15	0·20	0·08	0·56
Rural	0·97	nil.	0·30	0·08	0·10	0·17	0·04	0·25
England and Wales	‡1·29	0·00	0·43	0·06	0·15	0·21	0·04	‡0·39

* Prior to 1911 the "Fever" death-rate included deaths from typhus and continued fevers (if any). † Enteritis deaths included since 1911. ‡ Includes deaths from diarrhoea and enteritis under two years of age only.

Tables I. and III. appended (pages 44, *et seq.*), show the epidemic death-rate of each district, and Tables II. and IV. give the number of deaths from each of the epidemic diseases, distinguishing those of children under the age of five years.

In 10 districts the epidemic death-rate was over 3·0 per 1,000, in 18 districts between 2·0 and 3·0, in 35 districts between 1·0 and 2·0, in 39 districts between 0·5 and 1·0, and 21 districts had a rate less than 0·5.

The highest rates were as follow :—Golborne 5·43, Aspull 5·09, Hindley 4·83, Abram 4·71, Ashton-in-Makerfield 4·51, Tyldesley-with-Shakerley 4·0, Haydock 3·48, Ince-in-Makerfield 3·45, Leigh (B.) 3·40, and Leigh (R.) 3·18. It will be noted these districts are in close proximity to each other.

Small-pox.—Only 3 cases of this disease were notified, all at Royton. The first case, a child aged 5 years, was notified in March and was isolated at home ; the other 2 cases occurred in July, females, aged 18 and 15 years respectively, cotton operatives working at the same mill ; both were removed to the joint hospital. The three persons attacked had not been vaccinated. The first case resided close to the boundary of the County Borough of Oldham, where several cases had occurred ; in the second outbreak, source of infection not traced.

The incidence of small-pox in the Administrative County since 1890 is given below :—

Year.	Cases.	Deaths.	Year.	Cases.	Deaths.
1890.....	1	0	1903.....	1156	68
1891.....	2	0	1904.....	422	22
1892.....	612	70	1905.....	255	6
1893.....	1038	84	1906.....	233	0
1894.....	259	25	1907.....	13	1
1895.....	100	19	1908.....	2	1
1896.....	83	10	1909.....	7	0
1897.....	3	0	1910.....	23	0
1898.....	6	1	1911.....	21	0
1899.....	16	1	1912.....	1	0
1900.....	59	3	1913.....	10	0
1901.....	6	0	1914.....	14	0
1902.....	436	22	1915.....	3	0

VACCINATION.—From the last issued report of the Local Government Board it appears that during 1914 there was a further decline in vaccination, and a further increase in the number of children exempted from vaccination by statutory declaration. The number of certificates of successful vaccination in England and Wales received during the year was 404,616, as against 430,470 in 1913, and the number of certificates of exemption 321,313, as against 308,235 in 1913.

The following references are made in district health reports regarding vaccination :—

Darwen (B.). Dr. Haworth points out that the rate per cent. of successful vaccinations in his Borough has fallen from 85·9 in 1902 to 31·38 in 1915.

Ramsbottom. The returns for 1915 are :—Successfully vaccinated 81, exempt 167. For 1914, the respective figures were 83 and 162, and for 1913, 60 and 162. These figures speak for themselves, and show that a large proportion of children within the district are unprotected against small-pox—a grave reflection upon parental responsibility.

Whitworth. In the midst of an appalling war the benefits of vaccination and inoculation have been proved up to the hilt, and yet we neglect vaccination at home. Truly the ways of the “conscientious objector” in this respect are beyond logic.

Measles.—To this disease 817 fatalities were ascribed in 1915, or 311 more than in the preceding year. In 1913 there were 552 deaths and 541 in 1912.

The death-rate for the County corresponded to 0·49 per 1,000 of the population, the highest measles death-rate recorded since 1897. The rate for the urban districts was 0·51, and 0·30 for the rural districts. In 1914 the County rate was 0·28 and 0·31 in 1913.

The ages at death were as follow :—

Under one year	...	...	183 or 22·3 per cent.
Between one and five years...	583	„	71·3 „
Five years and upwards	...	51	„ 6·2 „

The highest death-rates from measles occurred at Hindley 2·75, Tyldesley-with-Shakerley 2·29, Leigh (R.) 2·02, Skelmersdale 1·79, Aspull 1·77, Abram 1·62, and Leigh (B.) 1·52. In 38 districts there were no fatalities from this disease.

School closure was found to be necessary to curtail the spread of measles in 50 districts.

NOTIFICATION OF MEASLES.—On the 27th November, 1915, the Local Government Board issued an Order by which measles and German measles became compulsorily notifiable throughout England and Wales, from the 1st January, 1916.

The Order also enables Local Authorities to provide medical, including nursing, assistance for the poorer inhabitants of the district when suffering from the diseases named.

The Board in a memorandum state notification of cases of measles by itself has only a statistical interest. Its practical value depends upon the extent to which the information is utilised in securing the co-ordinated adoption of all the measures available for preventing the spread of infection and for diminishing the mortality from the disease.

Dr. Newsholme, the Board's Chief Medical Officer, suggests that the following measures should receive special attention :—

(1) Each case should be regarded as a means of discovering other cases. Often it is among the unreported cases that the chief risk of spread of infection and of a fatal result arises.

(2) In view of the fact that in a large proportion of cases there is no doctor in attendance, the diagnosis

should, when practicable, be verified by the Medical officer of Health, or by another officer acting under his instruction ; or the Sanitary Authority should arrange for a medical practitioner to be available for this special work. This is a matter of importance, among other reasons because occasionally scarlet fever, or even small-pox, is mistaken for measles. Under the Board's Order the duty of making the necessary inquiries, or of seeing that they are made, is imposed on the Medical Officer of Health.

(3) The domestic isolation and treatment, including the nursing of patients, will need supervision.

(4) In a certain proportion of cases it is desirable that provision should be made for treatment of patients in an Isolation Hospital.

(5) Prompt information should be given by the Medical Officer of Health to the head teacher of the school which is attended by any children from the invaded household, and the necessary school exclusions arranged.

The following rules are laid down in the Board's "Memorandum on Closure of and Exclusion from School" :—

RULES FOR THE EXCLUSION OF INDIVIDUALS.

(1) *As regards children suffering from the disease.*

Children attacked by measles should be kept from school for four weeks.

(2) *As regards other children living in infected houses.*

In large towns, and in the smaller districts in which the majority of children over seven years of age who are attending public elementary schools have had measles, the practice is frequently adopted, when

measles breaks out in a household, of excluding from school attendance only those children of the same household who attend the infant school, and those older children of the same household who have not had measles. These particular children of the same household should be excluded from school until 21 days from the date of onset of the illness of the last patient with measles in the house.

The above procedure can be recommended as the result of experience in large districts. It is a compromise which is obviously not a counsel of perfection, and may need future modification. Even under present conditions the procedure may need to be modified in accordance with the special circumstances of a particular district, with special reference to its past history as to measles. The schedules for the medical inspection of school children, if kept carefully, will, in course of time, place at the disposal of the Medical Officer of Health and of the School Medical Officer the history of each child as to measles, as well as to other infectious diseases, and they will thus be able to decide, when a case of measles occurs in a particular class, which scholars in that class should, and which should not, be excluded from attendance at school.

RULES FOR SCHOOL CLOSURE.

School closure has probably more frequently taken place on account of epidemics of measles than for any other disease, but as the closure has been commonly deferred until a large proportion of the children are already absent, it has proved useless, in populous districts at least, for the purpose of preventing the spread of the disease.

If measles is introduced into a school, the first crop of secondary cases will occur about 12 days after the original case, and in 12 days more there will be a second crop comprising the majority of the unprotected children. Thus school closure, as ordinarily practised after the second crop of cases has occurred, fails to prevent an epidemic. In view of this experience a class closure of short duration after the occurrence of the first case of measles in the class may be substituted, the class being closed on the ninth day after the sickening of the first child, for a period of five days only. After this period, only those who have sickened need be excluded, along with those in the same households who have not had measles or who attend the infant school.

The following recommendation, which is of great importance as safeguarding children at the ages when measles is most dangerous, is given in the same Memorandum :—

When cases of this disease occur in an infant school, there should be no hesitation in excluding children from attendance who are below the age of compulsory school attendance.

Scarlet Fever gave rise during 1915 to 7,526 cases and 141 deaths, as compared with 8,275 cases 169 deaths last year, and 4,778 cases 96 deaths in 1913. The case mortality corresponded to 1·87 per cent., against a rate of 2·0 per cent. in 1914, and an average of 2·5 for the last ten years.

The scarlet fever death-rate was equal to 0·08 per 1,000, against a rate of 0·06 for the whole of England and Wales.

Of the deaths, 59·5 per cent. occurred amongst children under the age of 5 years.

The incidence of the disease was most marked in the months of January, October, November, and December. Cases were most numerous in the following districts :—

				Cases.	Deaths.	Removals to Hospital.		
Ashton-in-Makerfield				... 241	... 10	...	193	
Heywood (B.)				... 167	... 4	...	54	
Hindley	188	...	4	...	65
Horwich	248	...	6	...	167
Ince-in-Makerfield				... 330	...	2	...	98
Leigh (B.)				... 391	...	17	...	215
Nelson (B.)				... 417	...	5	...	18
Radcliffe	154	...	1	...	70
Stretford	164	...	1	...	88
Widnes (B.)				... 167	...	1	...	125

Of the 7,526 cases notified, 3,384, or 44 per cent., were removed to hospital, against a percentage of 43·9 per cent. in 1914, and 44·6 per cent. in 1913. In twelve districts over 85 per cent. of the cases notified were isolated in hospital, whilst in certain other districts very few removals took place, for instance, Nelson (B.) 417 cases 18 removals, Aspull 93 cases 10 removals, Worsley 70 cases 7 removals, Standish-with-Langtree 65 cases 5 removals, and in the following districts hospital isolation was not practised, Accrington (B.) 74 cases, Clitheroe (B.) 57 cases, Colne (B.) 116 cases, Orrell 73 cases, Mossley (B.) 79 cases, &c.

School closure was resorted to in 14 districts.

The following notes respecting scarlet fever are extracted from the district health reports :—

Clitheroe (B.).—In the great majority of cases the scarlet fever was of an extremely mild type; so much so, that in many instances the first onset of the disease passed off without giving rise to any suspicion, to be discovered later when peeling commenced. Indeed, it is very probable that

cases such as these remaining undiscovered for such a lengthy period were responsible for a large number of other cases.

Denton.—With the exception of seven, all other cases were treated at home on the lines advocated by Dr. Robert Milne, *e.g.*, by inunction of the skin with pure eucalyptus oil and by application of 1-10 carbolic oil to the tonsils (eucalyptus oil and carbolic oil are supplied free by the Council).

Failsworth.—In September, a patient who had been notified as suffering from scarlet fever was found exposed in a public street. The circumstances were reported to the Health Committee, and the guardian interviewed; on the explanation given, the Committee decided to take no further action.

Grange-over-Sands.—From April 6th to April 15th, no less than 10 cases were notified, and in these, without doubt, the infection was milk borne, as with the exception of one case the sufferers were all consuming milk produced at the same dairy farm; and on investigation it was found that the children of one of the men engaged at this farm had been suspiciously ill, with all the characteristic symptoms of scarlet fever. The sudden outbreak and cessation of spread immediately the particular milk supply was stopped points to this as the focus from which the disease was spreading.

Great Crosby.—There was one interesting case of a boy, 12 years of age, who had an attack of scarlet fever twice in the year, one attack in March and the other in November. In all he has had three attacks of this malady.

Hindley.—Many mild cases were overlooked; several were found during the year in the schools.

Horwich.—Several cases which had been unrecognised by the parents were found attending school in a “peeling” state. There is no doubt that other cases have been entirely unrecognised.

Lathom and Burscough.—Cases were found desquamating at school, and also in the streets. I do not think that in any instance the parents wilfully suppressed it, but in some cases more care should have been taken and a medical man called in, especially when the parents knew that scarlet fever cases were prevalent in the district. The disease was so mild that frequently the person suffering was apparently alright in one or two days. This made it very difficult to prevent it spreading. I would still urge the Council, as I have done in previous years, to provide a small cottage where scarlet fever cases can be sent after leaving hospital. I do not think it right that a child should be sent straight from hospital to its home. However much care may be taken, you have the danger of a repeat case.

Little Lever.—In November, 1914, when an epidemic of scarlet fever was at its height, it was decided to give a trial to the eucalyptus treatment of Dr. Robert Milne. “This method of treatment has been followed in every case of scarlet fever since that date, and has been an unqualified success. Its efficacy in preventing the spread of infection has been proved beyond doubt. Not only so, but the disease itself is markedly influenced by the treatment, and there has been a remarkable absence of the many complications, which so frequently arise during and following scarlet fever. In my opinion, we have in this treatment a most valuable, sure, and economical method of dealing with the disease, and in view of the excellent results obtained, I strongly recommend your Council to consider whether it is any longer necessary or desirable to make provision for the isolation of these cases in hospital.”

Morecambe (B.).—Cases Nos. 4 and 5, both girls, belonging to an entertainment party, arrived here in a “scaling” condition. Had been diagnosed correctly in Northumberland, yet the parents brought the cases into this borough. Nos. 6 and 7 also direct importations, but unconsciously so.

No. 14.—This case on the second day of her visit had the rash fully out. Came from a district where much infection was prevalent. By arrangement with the Health Authority of the district from which she came, she was allowed to return home—all proper precautions being taken. No. 17.—A bad case of importation in more than one respect. According to information received, she had entered a fever hospital on 19th August, 1915, and was discharged therefrom on 17th September, 1915. She was discovered here to be in a “peeling” condition.

Ormskirk.—Scarlet fever has been of an exceptionally mild character, and it progressed, in some instances, for weeks before it was discovered, the peeling stage being the first symptom observed when medically examined.

Standish-with-Langtree.—The Milne treatment for scarlet fever, which your late Medical Officer recommended to you in December, 1914, has proved most beneficial in combating this disease, only one death taking place out of 65 cases notified, a very gratifying result.

Burnley (R.).—The majority of the cases were of an exceedingly mild type, and that is the reason, in my opinion, why we have had more of this disease than usual, as I am certain children have been sent to school whilst suffering from the disease—the parents being under the impression that they were suffering from colds. In some of these instances a doctor was not called in until the peeling stage had commenced.

Clitheroe (R.).—I discovered recently at Chatburn that infectious children were being allowed to mingle freely with their fellows in the street.

Limehurst (R.).—In April a serious outbreak of scarlet fever occurred in the adjoining County Borough, said to be attributed to milk from a farm in this rural area. A child

at the farm suffered from scarlet fever, and it is stated that the infected bedding and clothing were placed in a wooden structure, used as a wash house, and to some extent for the washing and storage of milk cans. In this way it is surmised the milk became contaminated.

Whooping Cough.—The fatalities from whooping cough numbered 337, or 5 more than in 1914, and 108 in excess of 1913.

The County death-rate for 1915, viz., 0·20 per 1,000 (urban districts 0·20, rural districts 0·17) was fractionally lower than the rate for England and Wales, but slightly above the County average for the preceding ten years.

From the monthly returns the disease was apparently most prevalent in the months of January and February, and then again in September.

The ages at death were :—

Under 1 year	...	...	...	145 or 43·0 per cent.
Between 1 year and 5 years	...	179	„ 53·1	„
Five years and upwards	...	13	„ 3·8	„

The mortality was most marked in Ashton-in-Makerfield 16 deaths, Aspull 13, Farnworth 16, Hindley 17, Ince-in-Makerfield 15, and Widnes (B.) 30.

School closure on account of the prevalence of whooping cough was resorted to in 12 districts.

Diphtheria and Croup were responsible for 1,518 cases with 247 deaths, against 1,732 cases 230 deaths last year. In 1913 there were 1,482 cases 208 deaths, and 1,418 cases 220 deaths in 1912. The percentage of deaths to cases in 1915 was 16·2, as compared with 13·2 in 1914.

The diphtheria death-rate was as follows :—County 0·14 per 1,000, urban districts 0·15, rural districts 0·10.

Of the deaths, 50·9 per cent. were of children under the age of five years.

The incidence of the disease was most marked in the fourth quarter, and the following districts had the greatest number of cases :—

			Cases.		Deaths.		Removals to Hospital.
Eccles (B.) ...	...	...	70	...	8	...	44
Heywood (B.) ...	...	...	41	...	10	...	6
Horwich ...	...	...	42	...	7	...	22
Leigh (B.) ...	...	...	45	...	8	...	22
Nelson (B.) ...	...	...	84	...	13	...	—
Swinton and Pendlebury ...			46	...	5	...	3
Waterloo-with-Seaforth ...			41	...	5	...	16

In 5 districts school closure was found to be necessary. Arrangements for the supply of anti-toxin have been made by the majority of Authorities. From 61 districts 857 swabs were taken and submitted for bacteriological examination.

The following comments are made by district Medical Officers of Health :—

Westhoughton.—The diphtheria cases were fortunately of mild type. I should like the Council to give serious consideration to the question of hospital accommodation for this disease. In several instances patients have had to remain in houses totally unsuitable as regards isolation and the carrying out of sanitary precautions. I think we have been fortunate to escape a further spread therefrom.

Widnes (B.).—It is very desirable that every suspected case of diphtheria should be examined bacteriologically; indeed it would undoubtedly be advantageous to examine every case of sore throat showing the least tendency to the formation of a membranous patch. By this means not only would all early cases of the disease be discovered (in which specific treatment proves so effective), but also cases with the infective

micro-organism in the throat which clinically cannot be diagnosed as diphtheria and may not even be regarded as suspicious of that disease. At the present day, most cases of diphtheria do not present the severe symptoms of cases of years ago, the disease is generally of a very mild type. Such examinations would also serve to discover cases of so-called diphtheria carriers, who for long periods may have virulent diphtheria bacilli in the throat and show little or no symptoms of sore throat and yet continue to be a source of infection and a centre from which the disease may spread to others.

Burnley (R.).—Two of the three cases at Worsthorne might have been prevented had it not been for the sheer carelessness on the part of the mother of one of the patients.

Lunesdale (R.).—The four cases of diphtheria occurred amongst the children at a public institution. The origin of the outbreak was traced to a defective sewage system, which, owing to the increase in numbers, proved insufficient.

Ulverston (R.).—As to the origin of the outbreak, I think, probably, the infection was first introduced by an unrecognised carrier case, and then spread chiefly by school attendance.

West Lancashire (R.).—In Maghull (7 cases) there were only three houses affected, and the cause of all the cases was probably a boy, who, though showing no symptoms of the disease himself, had diphtheria bacilli in both nose and throat, and there was evidence of possible contact between him and the other cases.

Enteric Fever.—A further reduction is recorded in the number of enteric fever cases, viz., 530 with 127 deaths, as compared with 650 cases 123 deaths in 1914, and 875 cases 180 deaths in 1913. The number of notifications is the lowest ever recorded for the Administrative County. The case mortality, however, was less favourable, viz., 23·9 per cent., against 18·9 per cent. last year, and 20·5 per cent. in 1913.

The enteric fever death-rate was 0·07 per 1,000 for the County, 0·08 in the urban districts, and 0·04 in the rural districts. The County average for the preceding ten years 1905-1914 was 0·10 per 1,000.

The notifications were most numerous in Leigh (B.) 23 (4 deaths), Droylsden 26 (3 deaths), and Swinton and Pendlebury 20 (2 deaths). In 25 districts no cases were notified.

Specimens submitted for bacteriological examination by 61 districts numbered 364.

The decline in the County of enteric fever is shown by the following table :—

	Cases.	Deaths.		Cases.	Deaths.
1900	... 2183	... 399	1908	... 1219	... 224
1901	... 2094	... 364	1909	... 994	... 192
1902	... 1747	... 297	1910	... 1016	... 193
1903	... 1479	. 277	1911	... 1091	... 220
1904	... 1235	... 233	1912	... 620	... 147
1905	... 1335	. 255	1913	... 875	... 180
1906	... 1248	.. 252	1914	... 650	... 123
1907	... 859	.. 164	1915	... 530	... 127

The consumption of shell-fish was considered to be the origin of the disease at Mossley (B.) (1 case), Turton (2 cases), and St. Annes-on-the-Sea (1 case). In the latter case the person attacked had partaken of the shell-fish (cockles) away from the district about two weeks before being taken ill.

At Droylsden a serious outbreak of enteric fever appeared to be due to milk. Between the 31st March and the middle of June, numerous cases were notified, and enquiries into the circumstances, conducted by the local and County public health officials, showed that 19 of the persons attacked were supplied with milk by two dealers, who obtained their supply from the cows of a cattle dealer. Visits to the latter's farm elicited the fact that one of the cowmen had been ill a short

time before the outbreak and returned to work on March 15th. A specimen of blood subsequently taken from this man gave a positive Widal re-action. Dr. Pell-Ilderton, Medical Officer of Health, says: "I think there can be no doubt that the illness which compelled the cowman to absent himself from work was a mild attack of typhoid fever, and that he resumed his occupation while he was still in an infectious state. The milk supplied from the farm was thus, therefore, inadvertently contaminated." Three deaths occurred. In addition, a few cases, due to the same cause, occurred in the adjoining County Borough.

At Rawtenstall (B.) an outbreak was attributed to contaminated water: A cistern at Scout Bottom, which supplies about fifty households, became contaminated, and there was a sharp outbreak of enteric fever; the cistern was repaired, and the cases of fever ceased for a time.

A second outbreak of enteric fever was traced to another supply at Scout Bottom, which has been discontinued as unsafe. In this outbreak all the persons affected worked at a cotton mill which was supplied with drinking water from a drift in the face of a hill, the drift being at least ninety feet below the ground surface.

Incidents connected with other outbreaks were as follow:

Irlam.—Two of the individuals attacked by enteric fever worked at the coal tips on the Manchester Ship Canal, and the evidence available seemed to point to the conditions of their work being responsible for their illnesses.

Lytham.—Four cases occurred in the same house, which was occupied by a family of Belgian refugees. The mother had enteric fever in December, 1914, in a neighbouring district, and it was proved, beyond doubt, that she acted as a "typhoid carrier." Specimens of the blood, fæces, and urine were sent for bacteriological examination, and the result of the examination showed the presence of typhoid bacilli.

Upholland.—From previous observations in connection with outbreaks of enteric fever in this district, the Medical Officer of Health is persuaded that the origin of the outbreaks may be traced to colliery workings.

Diarrhœa and Enteritis gave rise to 868 deaths in the year 1915, or 26 in excess of the fatalities in 1914.

The diarrhœa and enteritis death-rate for the County corresponded to 0·52 per 1,000 of the population—urban districts 0·56, rural districts 0·25—as compared with a rate of 0·48 in 1914, 0·85 in 1913, and 0·30 in 1912. The average death-rate for the 10 years 1905-1914 was 0·56. The rate for England and Wales in 1915 was 0·39, but the Registrar-General includes in his diarrhœa statistics only deaths amongst children under the age of two years, whilst the County rate includes deaths at all ages.

Of the 868 deaths 548 or 63·1 per cent were amongst children under the age of one year, 185 or 21·3 per cent between the ages of one and five years, and 135 or 15·5 per cent 5 years of age and upwards. Of the 548 infant deaths 333 were classified under the head of “enteritis.” Table A, page xxi., analyses the diarrhœa deaths of infants at various age periods.

The following districts had the highest diarrhœa death-rates :—Abram 2·35, Little Lever 1·83, Golborne 1·81, Litherland, 1·59, Ashton-in-Makerfield 1·56, Widnes (B.) 1·29, Ince-in-Makerfield 1·28, Tyldesley-with-Shakerley 1·18, and Hurst 1·16.

The following extracts are taken from District Medical Officer's reports :—

Chorley (B.).—In my report for 1914 I dealt with one of the chief causes of diarrhœa, viz., the house-fly nuisance, and I am of opinion that the methods adopted by the Council

and carried out by your officials, viz., the regular covering of manure heaps in the more congested portions of the town with chloride of lime during the summer and autumn has been beneficial not only in reducing the child mortality from diarrhoea, but also in preventing the occurrence of many cases of this disease which, though not ending fatally, tend to lower the vitality and strength of such children.

Ince-in-Makerfield.—That sanitary circumstances play some part in this (diarrhoea) mortality is undeniable, hence the need for getting rid of privy middens.

Rawtenstall (B.).—An outbreak of diarrhoea in autumn appeared at first sight to be serious, but it subsided as quickly as it arose. The cause was mechanical rather than bacterial, and was found to be insoluble earthy matter which gained entrance to the water supply, when, owing to the shortage of water, the mains of the Bacup Corporation were joined to those of the Bury and District Water Board, and the connecting lengths of pipe were not flushed out sufficiently before the water was passed into circulation for domestic use.

Acute Poliomyelitis and Cerebro-Spinal Fever. — According to information extracted from the district health reports, acute poliomyelitis was the cause of 14 cases and 6 deaths, and cerebro-spinal fever 33 cases 23 deaths. In 1914 these diseases were respectively responsible for 17 cases 4 deaths and 7 cases 7 deaths, but three of the latter fatal cases were not reported under the Notification Act.

Influenza contributed 324 deaths, against 215 in 1914—an increase of 109. Deaths were most numerous in Morecambe (B.) 15, Accrington (B.) 13, Darwen (B.) 12, and Widnes (B.) 10. During the first quarter of the year practically one-half the total mortality occurred.

Bronchitis and Pneumonia—Bronchitis gave rise to 2,785 fatalities, and pneumonia 2,295—a total of 5,080, as

compared with 4,395 last year and 4,429 in 1913. The percentage of deaths from these diseases in 1915 to total deaths was 19·8, against 18·0 per cent. last year.

The County death-rate equalled 3·04 per 1,000 of the population—urban districts 3·13, rural districts 2·48—the highest rate recorded since 1900. Last year the mortality was 2·51 per 1,000, and 2·53 in 1913. The highest district death-rates were :—Leigh (B.) 5·77, Ince-in-Makerfield 5·47, Widnes (B.) 5·37, Abram 4·86, Aspull 4·71, Radcliffe 4·60, Lathom and Burscough 4·53, Ashton-under-Lyne (B.) 4·37, Orrell 4·37, Hindley 4·28, and Hurst 4·27.

Organic Heart Disease. — Deaths registered as due to this disease numbered 2,403, corresponding to a rate of 1·44 per 1,000 of the population. Last year 2,238 deaths took place, equal to a rate of 1·28.

Phthisis (Pulmonary Tuberculosis). — The number of deaths classified under this heading in 1915 was 1,614, against 1,523 last year—an increase of 91. The percentage of phthisis deaths to total deaths from all causes was 6·3, as compared with 6·2 in 1914.

The County phthisis death-rate corresponded to 0·96 per 1,000 of the estimated civil population (urban districts 1·01, rural districts 0·70), against a rate of 0·87 last year calculated on the normal estimated population, 0·82 in 1913, 0·85 in 1912, 0·88 in 1911, and 0·80 in 1910. The County average for the ten years 1905-1914 was 0·86. The rate for England and Wales in 1913, the latest year for which statistics are available was 1·0, or 7·3 per cent. of the death-rate from all causes.

The following districts had the highest phthisis death-rates in 1915, Hurst 1·94, Padiham 1·84, Whitworth 1·78,

Brierfield 1·69, Droylsden and Lancaster (B.) each 1·65, Grange-over-Sands 1·57, Golborne 1·51, Middleton (B.) 1·47, Ashton-under-Lyne (B.) 1·43, and Eccles (B.) 1·41.

Covering a period of ten years (1905—1914) the phthisis death-rates of the following districts were high :—Hurst 1·94, Padiham 1·84, Whitworth 1·78, Brierfield 1·69, Droylsden and Lancaster (B.) each 1·65, Grange-over-Sands 1·57, Golborne 1·51, Middleton (B.) 1·47, Ashton-under-Lyne (B.) 1·43, Eccles (B.) 1·41, Litherland 1·40, Widnes (B.) 1·39, Tottington 1·36, Lathom and Burscough and Ormskirk each 1·33, and Billinge and Milnrow each 1·30.

OTHER TUBERCULOUS DISEASES.—Tuberculous meningitis was responsible for 211 deaths, and diseases classified as “ other tuberculous diseases ” 344 deaths, making, with the 1,614 deaths due to pulmonary tuberculosis, a total of 2,169, as compared with 2,095 in 1914, and 1,968 in 1913. The combined tuberculosis death-rate in 1915 was 1·30 per 1,000, a rate exceeding by 0·11 that of the preceding year.

The following table shows the deaths in 1915 from tuberculous diseases at various age periods, and also the corresponding figures for the years 1914 and 1913 :—

Cause of Death.	All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.
Phthisis (Pulmonary Tuberculosis)	1614	4	13	18	96	299	684	436	64
Tuberculous Meningitis	211	39	41	54	55	12	7	3	..
Other Tuberculous Diseases ..	344	52	41	42	52	48	60	42	7
Total 1915 ..	2169	95	95	114	203	359	751	481	71
Year 1914 ..	2095	129	95	102	190	377	713	431	58
Year 1913 ..	1968	102	96	90	190	376	657	388	69

TABLE C.

ADMINISTRATIVE COUNTY OF LANCASTER.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

ANALYSIS OF THE NOTIFICATIONS (EXCLUDING DUPLICATES) RECEIVED DURING THE FIFTY-TWO WEEKS
ENDED 1ST JANUARY, 1916.

AGE—YEARS :—		..	0 — 1			1 — 5			5 — 10			10 — 15			15 — 20			20 — 25			25 — 35			35 — 45			45 — 55			55 — 65			65 & upwds.			TOTALS.			Col.
SEX.		Col.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	
PULMONARY—																																							
	Lungs only ..	1	5	5	10	47	26	73	97	96	193	78	111	189	126	152	278	136	188	324	301	378	679	295	235	530	228	98	326	117	60	177	34	21	55	1464	1370	2834	1
	Lungs and Larynx ..	2	1	1	1	3	4	3	4	7	4	1	5	4	..	4	12	9	21	2
	Laryngitis ..	3	1	..	1	1	..	1	1	..	1	1	2	4	3	7	3	..	2	5	11	6	17	3
	PULMONARY TOTAL ..	4	5	5	10	47	27	74	97	96	193	79	111	190	127	152	279	138	191	329	305	383	688	303	239	542	235	100	335	117	60	177	34	21	55	1487	1385	2872	4
	Cases—Pulmonary and Non-Pulmonary combined ..		1	1	2	4	2	6	4	5	9	3	1	4	2	1	3	..	1	1	1	7	8	4	2	6	5	2	7	3	1	4	1	1	2	29	26	55	
NON-PULMONARY—																																							
ALIMEN- TARY	Enteritis ..	5	3	2	5	7	4	11	3	1	4	..	1	1	1	1	2	1	..	1	4	1	5	..	1	1	..	1	1	..	1	1	19	13	32	5
	Peritonitis ..	6	10	10	20	19	19	38	10	12	22	10	8	18	2	7	9	8	2	10	3	6	9	..	5	5	1	2	3	1	..	1	64	71	135	6
	(Abdominal Tuberculosis)																																						
	Tabes ..	7	2	2	4	7	2	9	2	4	6	1	1	2	..	1	1	2	1	3	1	..	1	1	2	3	..	..	..	..	..	..	..	..	16	13	29	7
	(Mesenteric Glands)																																						
GLANDS	Axillary ..	8	..	..	..	1	..	1	..	..	..	1	..	1	..	3	3	..	1	1	2	..	2	1	..	1	..	..	..	..	..	..	..	..	5	4	9	8
	Cervical ..	9	2	..	2	22	14	36	49	41	90	32	42	74	26	48	74	12	30	42	14	27	41	5	9	14	1	2	3	..	1	1	..	..	163	214	377	9
	Inguinal ..	10	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	10	
	Mediastinal ..	11	..	..	..	1	..	1	..	1	1	..	..	..	1	..	1	..	..	..	1	..	1	..	..	..	1	..	1	..	..	..	..	4	1	5	11	
	Not Classified ..	12	..	..	..	2	..	2	3	2	5	1	4	5	1	2	3	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	8	8	16	12	
	(Two or more Groups)																																						
GENITO- URINARY	Bladder ..	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	13	
	Fallopian Tube ..	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14	
	Kidney ..	15	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	3	5	..	..	..	..	..	..	..	..	..	..	2	4	6	15	
	Prostate ..	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	
	Suprarenal ..	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	
	Testicle and Epididymis ..	18	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	3	..	3	2	..	2	4	..	4	1	..	1	..	..	1	..	1	13	..	13	18
	Not Classified ..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..	..	..	..	..	1	1	2	19	
	(Two or more)																																						
JOINTS AND BONES	Head ..	20	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	2	3	20	
	(Including Middle Ear)																																						
	Trunk—																																						
	Ribs and Sternum ..	21	..	..	..	1	..	1	1	..	1	7	1	8	1	..	1	..	..	..	2	1	3	1	..	1	1	..	1	1	..	1	..	15	2	17	21	
	Spine ..	22	2	..	2	2	8	10	3	3	6	5	3	8	4	4	8	3	1	4	4	6	10	1	3	4	1	..	1	..	2	2	..	25	30	55	22		
	ARM—																																						
	Shoulder ..	23	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	23	
	Scapula ..	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					

TABLE B.

ADMINISTRATIVE COUNTY OF LANCASTER.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

SUMMARY OF NOTIFICATIONS OF PULMONARY AND OTHER FORMS OF TUBERCULOSIS DURING THE FIFTY-TWO WEEKS ENDED 1ST JANUARY, 1916.

	NOTIFICATIONS ON FORMS A AND B—Excluding Duplicates.																																	Total Notifi- cations (<i>i.e.</i> , including cases previously notified by other Doctors)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	PULMONARY.				NON-PULMONARY.																														Total Pul- monary and Non- Pul- monary.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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	Lungs only.	Lungs and Larynx.	Laryngitis.	TOTAL.	Enteritis (Primary).	Peritonitis (Abdominal Tuberculosis).	Tubes (Mesenteric Glands).	Axillary.	Cervical.	Inguinal.	Mediastinal.	Not Classified (Two or more Groups).	Bladder.	Fall. Tube.	Kidney.	Prostate.	Suprarenal.	Testicle and Epididymis.	Not Classified (Two or more).	(Head including Middle Ear).	Trunk.		Arm.					Leg.					Two or more different Joints.		Not Classified.	MENINGITIS (Brain).	MILIARY (Generalised).	SKIN (Lupus).	MISCELLANEOUS.	TOTAL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

	NOTIFICATIONS ON FORMS A AND B—Excluding Duplicates.																								NOTIFICATIONS. FORM B ONLY. (By School Medical Inspectors.)								Number of Cases Notified on Form C. (Admissions.)		Number of Cases notified on Form D (Dis- charges from Institu- tions).						
	PULMONARY.														NON-PULMONARY.										Total Pul- monary and Non- Pul- monary.	PRIMARY NOTIFICATIONS. (i.e., excluding duplicates.)				Total Notifica- tions (i.e., including cases previously notified by other Doctors.)	Poor Law Institu- tions.	Sana- toria.									
	Years.	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and up- wds	TOTAL.	TOTAL M. & F.	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.		65 and up- wds	TOTAL.	TOTAL M. & F.	Under 5 years.				5 to 10.	10 to 15.		TOTAL.					
		P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.		N.P.	P.	N.P.	P.				N.P.	P.		N.P.	P.	N.P.			
Thirteen weeks ended 3rd April, 1915	M. F.	1 2	16 5	34 27	31 41	39 40	29 42	92 105	84 50	53 27	29 23	10 7	418 369	787	9 5	31 25	40 27	27 32	14 28	16 10	18 22	9 10	3 3	1 1	1 1	169 164	333	1120	2	1 2	2 3	6 3	2 2	9 5	4 5	23	24	37	68	78
Thirteen weeks ended 3rd July, 1915	M. F.	3 3	17 11	30 28	26 30	42 44	45 59	79 110	85 75	74 23	35 17	5 3	441 403	844	15 8	36 31	33 30	41 27	23 31	17 12	11 13	11 11	4 6	.. 2	2 1	193 172	365	1209	2 ..	6 6	4 5	6 4	2 7	12 10	8 12	42	43	22	55	78
Thirteen weeks ended 2nd October, 1915	M. F.	1 ..	8 6	17 21	11 21	23 42	37 57	62 85	65 65	55 29	24 9	12 5	315 340	655	5 6	23 13	19 27	12 14	16 19	5 20	7 12	5 7	2 3	1 2	.. 1	95 124	219	874	4 3	3 3	3 1	1 1	7 4	4 4	19	19	19	116	95
Thirteen weeks ended 1st January, 1916	M. F.	6 5	16 20	11 19	23 26	27 33	72 83	69 49	53 21	29 11	7 6	313 273	586	10 7	19 19	21 23	13 15	8 6	8 11	14 14	4 5	5 3	3 2	.. 1	105 106	211	797	2 1	2 4	3 3	2 3	.. 1	4 7	5 5	21	22	24	90	97
Total	M. F.	5 5	47 27	97 96	79 111	127 152	138 191	305 383	303 239	235 100	117 60	34 21	1487 1385	2872	39 26	109 88	113 107	93 88	61 84	46 53	50 61	29 33	14 15	5 7	3 4	562 566	1128	4000	2 ..	4 1	13 15	12 14	17 11	5 11	32 26	21 26	105	108	102	329	348

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1915.—From weekly returns, supplied under these Regulations by district Medical Officers of Health, the Tables B and C appended have been compiled. During the fifty-two weeks ended 1st January, 1916, the number of cases of tuberculosis notified was 4,000, pulmonary tuberculosis 2,872, other forms of tuberculosis 1,128. These totals are exclusive of 165 duplicate notifications, and also exclude 431 notifications respecting cases admitted to sanatoria or other residential institutions, and 348 notifications of discharges from such institutions. In 1914 the notifications, excluding duplicates, totalled 3,960—pulmonary tuberculosis 2,820, other forms of tuberculosis 1,140.

A card index of all notifications is kept up to date in the County Public Health Department, and copies of all the notifications are forwarded weekly to the Dispensary Tuberculosis Officers.

Tables B and C analyse the notifications in 1915 in detail as regards the parts of the body affected, and in age groups.

Cancer, Malignant Disease.—The deaths ascribed to cancer in 1915 numbered 1,577, or 91 fewer than in the preceding year. The County cancer death-rate was 0·94 per 1,000 of the population (urban districts 0·93, rural districts 1·0), against a rate of 0·95 in 1914, 0·92 in 1913, 0·83 in 1912, and 0·86 in 1911.

Notification of Infectious Diseases.—Table D appended (page liii.) gives the number of cases notified under the Infectious Diseases (Notification) Act, 1889, in each sanitary district. Reference to the totals of that Table shows that 15,591 cases were notified. In 1914 there were 16,737 notifications, and 13,445 in 1913. As compared with

the year 1914 there was a decrease of 749 in the scarlet fever notifications, 214 fewer diphtheria cases, and 120 less enteric fever cases.

During 1915 measles was compulsorily notifiable in only one County district, viz., St. Annes-on-the-Sea. Chicken-pox was notifiable at Bacup (B.) and Royton, and this disease was also notifiable for limited periods during the year at Failsworth, Heywood (B.), and Stretford.

By the Public Health (Measles and German Measles) Regulations 1915, operative from 1st January, 1916, measles and German measles became compulsorily notifiable throughout England and Wales. This Order provides for notification of these cases to the Medical Officer of Health by medical practitioners and by parents or guardians or other persons in charge of the patient. Every parent or guardian or other person as soon as he or she becomes aware or has reasonable grounds for supposing that any person in his or her charge is suffering from either of the diseases named is required to notify the case to the Medical Officer of Health unless this has already been done by a medical practitioner. In the case of a medical practitioner, notification is not required if a previous case of the same disease has been notified in the same household or institution during the preceding two months; otherwise the medical practitioner is required to notify at once any case of which he becomes aware by attendance on the patient, unless the case has already been notified under the Regulations by a medical practitioner or by a parent or guardian.

In a case notified by the parent or other person in charge of the patient in which a medical practitioner is not in attendance on the patient, the Medical Officer of Health shall take such steps as are necessary or desirable for ascertaining the nature of the case.

The Order enables local authorities to provide medical, including nursing, assistance for the poorer inhabitants in

TABLE (D) showing HOSPITAL ACCOMMODATION and DISINFECTING APPARATUS provided in or for each of the County Districts; also NUMBER OF CASES OF INFECTIOUS DISEASES NOTIFIED, REMOVED TO HOSPITAL, &c.

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.	
			<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																		Apparatus and where situated.	No. of Houses or Rooms dis-infected.
	For ordinary infectious diseases.	For Small-pox.	Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Polio-myelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.		
Abram	8 beds	Iron building—4 beds*	(a) ..	7	10	134	1	1	..	2	11	5	171	Steam—Hospital ..	109
			(b) ..	1	6	..	11	4	16	..	38		
			(c)	109	1	1	111		
			(d)		
Accrington (B.) ..	Bury Joint Hospital by agreement	24 beds	(a) ..	13	38	74	12	3	4	79	31	254	Steam—District ..	205
			(b) ..	5	1	..	6	1	52	24	4	2	14	..	109		
			(c)	2	2		
			(d)	1	1		
Adlington ..	Joint at Heath Charnock, 36 beds	Nil	(a) ..	1	4	28	2	1	11	7	54	None. (Formalin Sprayer)	32
			(b) ..	..	..	..	..	..	..	..	..	..	..	3	1	..	..	..	..	4
			(c) ..	1	..	25	2	..	..	..	..	..	..	..	..	..	..	..	..	28
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chorley (B.) ..			(a) ..	4	19	52	7	..	1	1	6	54	18	162	Steam—Town's Yard	97
			(b) ..	2	3	..	2	..	..	..	..	1	..	30	2	1	4	16	..	61
			(c) ..	1	..	52	4	..	..	..	..	..	..	..	..	..	..	..	..	57
			(d) ..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2
Leyland			(a) ..	13	4	29	1	1	13	6	67	No proper appliances	56
			(b) ..	7	..	..	1	..	..	..	..	..	..	6	8	1	3	4	..	30
			(c) ..	..	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	19
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chorley (R.) ..			(a) ..	11	15	74	9	1	1	1	2	30	6	150	Steam—Chorley (B.)	96
			(b) ..	2	1	1	..	..	..	..	1	1	..	24	6	6	1	7	..	50
			(c) ..	6	1	70	6	..	..	..	..	..	..	..	..	..	..	..	..	83
			(d) ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Ashton-in-Makerfield	40 beds (Long Lane)	8 beds (Edge Green)*	(a) ..	29	23	241	7	4	2	1	7	47	36	397	Steam—Hospital ..	319
			(b) ..	4	1	10	2	..	..	1	1	..	..	8	13	32	16	34	..	122
			(c) ..	20	..	193	7	..	..	..	..	..	..	..	..	..	..	..	..	220
			(d) ..	1	..	10	2	..	..	..	..	..	..	..	..	..	..	..	..	13
Aspull	At Wigan Borough hospitals*		(a) ..	2	10	93	6	3	3	8	1	126	Steam at Wigan Sanatorium available	69
			(b) ..	2	..	1	2	..	..	1	..	..	..	7	..	14	13	8	..	48
			(c) ..	..	..	10	3	..	..	..	..	..	..	..	..	..	..	..	..	13
			(d) ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1

* Combined under the Wigan and District Joint Hospital Order for the purpose of providing a small-pox hospital.

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.	
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																		Apparatus and where situated.	No. of Houses or Rooms dis-infected.
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Polio-myelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.		
Ashton-under-Lyne (B.)	20 beds	Joint at Harts-head—12 beds	(a)	..	14	28	147	11	1	..	4	79	12	296	Steam—Town's Yard	219	
			(b)	..	1	2	..	2	1	59	21	30	..	37	..			153
			(c)	107			107
			(d)	1			1
Audenshaw ..	2 beds, Hyde Borough hospital		(a)	..	4	2	34	4	1	2	9	4	60	Steam—Ashton-under-Lyne (B.)	56	
			(b)	..	1	1	1	..	7	1	8	..	8	..			27
			(c)	..	1	..	4	..	..	..	..	..	..	..	..	..	..	..	5
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hurst	Nil		(a)	5	21	3	2	1	13	1	46	Steam—Hospital ..	30	
			(b)	1	2	15	3	5	1	9			36
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Limehurst (R.) ..	Nil		(a)	..	2	3	26	2	2	1	9	5	50	Steam—Ashton-under-Lyne (B.)	65	
			(b)	..	1	1	1	..	..	..	2	..	..	..	9	4	..	6	24
			(c)	..	..	..	†2	..	..	..	..	..	..	..	..	..	..	..	2
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atherton ..	Joint at Astley for all purposes	(a)	..	31	29	100	7	1	3	44	17	232	Steam—Gas Works	171		
		(b)	..	3	2	1	18	13	9	5	13			64	
		(c)	..	7	..	47	5	..	..	..	1	..	..	..	..	..	..	60	
		(d)	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	
Golborne ..		(a)	..	21	7	54	3	12	11	108	Steam—Hospital ..	81		
		(b)	..	6	1	..	2	10	3	9	7	12			50	
		(c)	..	4	..	10	2	..	..	..	..	..	..	..	..	..	..	16	
		(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	
Leigh (B.) ..		Joint at Astley for all purposes	(a)	..	45	64	391	23	3	3	..	15	104	43	691	Steam—Destructor Works	510	
			(b)	..	8	1	17	4	1	3	56	24	67	4	50			235
			(c)	..	22	..	215	17	..	..	..	..	..	..	..	..	..	..	254
			(d)	..	..	..	12	2	..	..	..	..	..	..	..	..	..	..	14
Tyldesley-with-Shakerley		Joint at Astley for all purposes	(a)	..	12	11	34	14	..	2	1	3	23	23	123	Steam—Sanatorium	165	
			(b)	..	3	4	2	12	7	35	1	18			82
			(c)	..	2	..	14	11	..	..	..	..	..	..	..	..	..	..	27
			(d)	..	..	..	..	4	..	..	..	2	..	..	..	..	..	..	6
Leigh (R.) ..	Joint at Astley for all purposes	(a)	..	6	2	31	6	1	4	17	14	81	Steam—Hospital ..	42		
		(b)	..	3	1	1	1	1	9	8	21	1	6			52	
		(c)	..	1	..	13	4	..	..	..	..	..	..	..	..	..	..	18	
		(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bacup (B) ..	Arrangement with Bury Joint Hospital Board	Joint at Todmorden—32 beds	(a)	..	10	27	57	2	..	1	1	1	4	30	42	92	267	Steam—Town's Yard	115	
		(b)	..	4	2	3	1	..	..	..	..	..	19	11	1	1	5	..	47
		(c)	..	2	..	5	1	..	..	..	1	..	..	..	..	..	..	..	9
		(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

† Treated at Ashton-under-Lyne (B.).

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.		
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																		Apparatus and where situated.	No. of Houses or Rooms disinfected.	
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.			
Bispham-with-Norbreck	Joint at Moss Side	Joint at Elswick (With Preston (R.), &c. See next page)	(a)	..	2	1	2	2	..	..	..	..	..	5	3	..	..	..	..	15	No proper apparatus	15	
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(c)	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fleetwood ..			(a)	..	13	24	29	8	..	..	1	..	..	5	22	3	..	..	..	..	105	Steam—Town's Yard	102
			(b)	..	4	..	..	3	..	..	..	..	..	..	15	2	1	..	9	..	34		
			(c)	..	7	..	25	5	..	..	..	..	..	..	..	..	..	..	..	..	37		
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Kirkham ..			(a)	..	4	3	29	..	..	..	4	..	..	..	8	1	..	..	..	..	49	No proper apparatus	49
			(b)	..	..	..	1	..	..	..	..	..	..	..	3	..	..	1	1	..	6		
			(c)	..	3	..	21	..	..	..	1	..	..	..	..	..	..	..	..	..	25		
			(d)	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1		
Lytham ..			Joint at Moss Side	(a)	..	26	1	41	5	..	..	..	..	..	4	1	..	..	..	..	78	Steam—Destructor Works	206
				(b)	..	5	..	..	2	..	..	..	..	..	8	1	1	..	7	..	24		
				(c)	..	26	..	39	5	..	..	..	..	..	..	..	..	..	..	..	70		
				(d)	..	4	..	..	1	..	..	..	..	..	..	..	..	..	..	..	5		
Poulton-le-Fylde			Joint at Elswick (With Preston (R.), &c. See next page)	(a)	..	..	..	3	1	..	..	..	..	..	1	1	..	..	..	..	6	Steam—Blackpool C.B.	4
				(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1		
				(c)	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	3		
				(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Annes-on-the-Sea			Joint at Moss Side	(a)	..	11	5	18	1	..	..	..	..	..	8	2	149	..	..	..	194	Steam—Adjoining Refuse Destructor	148
				(b)	..	1	..	1	1	..	..	..	..	..	7	6	..	..	6	..	22		
				(c)	..	5	..	12	..	..	..	..	..	..	..	..	..	..	..	..	17		
				(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thornton ..			Joint at Moss Side	(a)	..	..	..	3	..	..	..	..	..	..	4	2	..	..	..	..	9	No proper apparatus	6
				(b)	..	..	..	1	..	..	..	..	..	..	3	1	..	..	2	..	7		
				(c)	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2		
				(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Fylde (R.) ..			Joint at Moss Side	(a)	..	8	5	123	4	..	3	..	..	..	16	9	..	..	..	..	168	No proper apparatus	140
				(b)	..	2	..	5	2	..	..	..	..	..	6	..	1	4	..	..	20		
				(c)	..	6	1	103	2	..	..	1	..	..	..	..	..	..	..	..	113		
				(d)	..	1	..	2	2	..	..	..	..	..	..	..	..	..	..	..	5		
Preston ..	At Fylde, &c., joint (Moss Side)		(a)	..	..	1	4	..	..	..	1	..	..	..	2	..	..	..	..	8	No proper apparatus	6	
			(b)	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..	..	3			
			(c)	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	3			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Garstang (R.) ..	Nil ..		(a)	..	..	5	8	..	..	1	..	..	..	9	3	..	..	..	..	26	No proper apparatus	16	
			(b)	..	..	..	..	..	..	..	..	..	..	8	..	1	1	..	..	10			
			(c)	..	..	..	†3	..	..	..	..	..	..	..	..	..	..	..	..	3			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

† Treated at Fulwood.

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.			
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																		Apparatus and where situated.	No. of Houses or Rooms dis-infected.		
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.				
Carnforth ..	2 wards—12 beds (Crag Bank)	Nil	(a)	1	1	..	1	..	1	No proper apparatus	
			(b)	1	1	1	1	..	4		
			(c)		
			(d)		
Chadderton ..	At Oldham Boro. hospital	Joint at Cinder Hill—24 beds	(a)	..	14	14	93	2	..	..	4	..	..	11	57	25	..	..	..	..	220	Steam at hospital, available for small-pox cases	110
			(b)	1	3	1	22	9	13	5	18	..	72		
			(c)	..	4	..	32	1	37		
			(d)	1	1		
Crompton ..	Do. ..	Joint at Cinder Hill—24 beds	(a)	..	3	16	62	2	..	..	1	..	1	4	28	20	..	..	..	..	137	Steam—Destructor Works	86
			(b)	..	1	2	2	1	1	9	7	3	..	3	..	29		
			(c)	..	2	..	28	30		
			(d)	..	1	..	1	2		
Royton ..	Do. ..	Joint at Cinder Hill—24 beds	(a)	3	4	18	51	1	..	..	..	..	..	5	34	11	..	..	..	30	157	Steam—Oldham C.B.	88
			(b)	..	1	16	4	4	2	7	..	34		
			(c)	2	1	..	13	16		
			(d)		
Church ..	Nil	At Finnington (Blackburn)	(a)	..	..	3	6	4	..	..	..	..	..	..	8	3	..	..	..	..	24	Steam—Oswaldtwistle	12
			(b)	..	1	1	..	..	..	..	..	..	..	..	7	1	1	1	1	..	13		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clayton-le-Moors	At Burnley, &c., joint hospital	At Accrington Boro. hospital	(a)	..	3	8	8	3	..	..	..	..	..	..	20	18	..	..	..	..	60	Steam—Accrington (B.)	14
			(b)	..	..	..	..	1	..	..	..	..	..	..	6	4	..	5	6	..	22		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clitheroe (B.) ..	Nil	Joint with Bowland (Yorks). 12 beds	(a)	..	6	6	57	3	..	..	1	..	1	..	29	3	..	..	..	..	106	Steam—Gas Works	76
			(b)	..	..	..	1	1	..	..	..	..	1	..	13	..	..	5	3	..	24		
			(c)		
			(d)		
Clitheroe (R.) ..	Nil	Joint with Bowland (Yorks). 12 beds	(a)	..	5	4	48	..	..	..	..	..	1	7	2	..	..	..	..	67	No apparatus	35	
			(b)	..	1	1	1	..	..	..	..	..	..	..	4	4	1	1	1	..	14		
			(c)		
			(d)		
Colne (B.) ..	10 beds ..	20 beds ..	(a)	..	9	15	116	10	..	..	2	..	..	3	44	18	..	..	..	217	No proper apparatus	119	
			(b)	..	2	..	1	3	..	..	1	..	..	..	30	3	6	5	11	..	62		
			(c)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..		
Croston ..	At West Lancashire Rural hospital	Nil	(a)	..	..	1	9	..	..	..	..	..	..	..	..	..	..	..	..	10	Steam—Hospital	10	
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(c)	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	5		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.						
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																		Apparatus and where situated.	No. of Houses or Rooms dis-infected.					
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.							
Dalton-in-Furness	Joint at High Carley—24 beds	At Barrow Boro. hospital	(a)	..	26	6	36	2	..	..	..	..	..	4	10	2	..	..	..	86	No apparatus ..	59					
			(b)	..	2	..	..	..	..	..	..	..	..	..	..	12	4	6	..	8			..	32			
			(c)	..	25	..	34	..	..	..	..	..	..	..	..	..	..	..	..	..			..	59			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			..	..
Ulverston ..			Joint at High Carley—24 beds	At Barrow Boro. hospital	(a)	..	2	5	6	1	..	..	..	..	1	..	15	4	..	..	..	34	No apparatus ..	19			
					(b)	..	..	..	..	..	..	..	..	..	1	..	6	6	..	..	3	..			16		
					(c)	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..			4		
					(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			..
Ulverston (R.) ..					Joint at High Carley—24 beds	At Barrow Boro. hospital	(a)	..	33	11	17	1	..	..	..	1	1	..	17	3	..	..	..	84	No apparatus ..	51	
							(b)	..	2	1	..	..	..	..	..	..	..	..	9	2	..	..	3	..			17
							(c)	..	24	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..			32
							(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			1
Darwen (B.) ..	20 beds for scarlet fever; 8 for enteric fever	Converted farm-house—2 beds					(a)	..	16	18	158	6	..	..	2	1	..	7	71	13	..	..	..	292	Steam—Hospital ..	266	
							(b)	..	4	..	2	3	..	..	1	1	..	..	22	10	27	12	18	..			100
							(c)	..	..	..	78	..	..	..	..	..	..	..	..	..	..	..	..	..			78
							(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..			1
Denton ..			4 beds, Hyde Boro. hospital	2 beds, Hyde ..			(a)	..	7	13	60	7	..	..	..	2	..	5	31	16	..	..	..	141	No apparatus ..	85	
							(b)	..	..	2	..	1	..	..	..	1	..	..	13	1	17	1	4	..			40
							(c)	..	..	1	7	2	..	..	..	2	..	..	..	..	..	..	..	..			12
							(d)	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..			2
Droylson ..					5 beds, Hyde Boro. hospital	1 bed, Hyde ..	(a)	..	8	14	50	26	..	..	2	..	..	2	47	21	..	..	..	170	Steam—Destructor Works	95	
							(b)	..	2	1	..	3	..	..	1	..	..	..	22	8	5	3	9	..			54
							(c)	..	..	..	11	4	..	..	1	..	..	..	..	..	..	..	..	..			16
							(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..			1
Eccles (B.) ..	20 beds, Salford Boro. hospital	6 beds, Salford ..					(a)	..	70	17	140	16	..	..	1	4	1	1	132	40	..	..	..	422	Steam—Sewage Works	877	
							(b)	..	8	..	6	6	..	..	..	3	..	..	60	13	39	11	26	..			172
							(c)	..	44	1	35	12	..	..	1	3	..	..	..	..	..	..	..	..			96
							(d)	..	4	..	4	3	..	..	..	1	..	..	..	..	..	..	..	..			12
Failsworth ..			At Oldham Borough hospitals ..	..			(a)	..	14	10	36	11	..	..	1	..	..	7	48	16	..	..	31	174	Steam—Oldham C.B.	139	
							(b)	..	2	1	1	2	..	..	..	..	..	..	21	8	3	3	8	..			49
							(c)	..	1	1	4	8	..	..	..	..	..	..	..	..	..	..	..	..			14
							(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			..
Farnworth ..					Joint at Farnworth	At Bury, &c., joint hospital	(a)	..	33	27	76	9	..	..	1	..	..	5	32	26	..	..	..	209	Steam—Hospital ..	218	
							(b)	..	7	..	2	3	..	..	1	..	..	..	26	16	19	16	28	..			118
							(c)	..	16	..	72	4	..	..	..	..	..	..	..	..	..	..	..	..			92
							(d)	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..			3
Little Hulton ..	Joint at Farnworth	At Bury, &c., joint hospital					(a)	..	10	9	10	4	..	..	1	..	..	1	12	3	..	..	..	50	Steam—Hospital ..	63	
							(b)	..	3	..	..	2	..	..	..	..	..	..	6	3	5	4	6	..			29
							(c)	..	1	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..			4
							(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			..
Little Lever ..			Joint at Farnworth	At Bury, &c., joint hospital			(a)	..	1	6	50	..	..	..	..	..	..	..	3	1	..	..	..	61	Steam—Hospital ..	50	
							(b)	..	..	..	1	..	..	..	..	..	..	..	4	..	..	4	9	..			18
							(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			..
							(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			..

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.	
			Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																			
	For ordinary infectious diseases.	For Small-pox.	Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Polio-myelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Formby	At Bootle Borough hospitals		(a) .. 9 .. 10 7 26 (b) .. 7 4 2 .. 8 (c) .. 7 7 (d)																		Steam—Bootle C.B.	41
Grange-over-Sands	At Kendal Boro. hospital	At Barrow Boro. hospital	(a) .. 8 1 15 4 28 (b) .. 3 3 6 (c) .. 7 .. 6 13 (d) .. 2 2																		No apparatus ..	26
Great Crosby ..	At Liverpool Borough hospitals		(a) .. 17 10 95 7 1 15 7 .. 152 (b) .. 4 .. 2 12 1 2 1 2 .. 24 (c) .. 12 .. 53 65 (d) .. 3 .. 1 4																		Dry Heat—Council's Yard	130
Great Harwood ..	Nil Nil		(a) .. 11 8 24 4 1 20 2 .. 70 (b) .. 3 1 15 2 2 5 2 .. 30 (c) (d)																		Steam—Accrington (B.)	58
Haslingden (B.)	Agreement with Bury and District Joint Hospital Board		(a) .. 13 14 33 15 2 59 11 .. 147 (b) .. 1 .. 1 1 23 8 10 8 2 .. 54 (c) .. 4 2 6 (d) 1 1																		Steam—Destructor Works	111
Haydock	10 beds at St. Helens Borough hospital	Two wooden pavilions (3 beds)	(a) .. 9 12 28 1 2 7 4 .. 63 (b) .. 1 .. 3 1 6 3 13 5 9 .. 41 (c) 19 1 20 (d) 2 1 3																		Steam—St. Helens C.B.	35
Heysham	4 beds 4 beds		(a) 1 1 5 7 (b) 1 1 2 1 .. 5 (c) 1 1 (d)																		Steam—Lancaster (B.)	5
Heywood (B.) ..	At Rochdale hospital (Marland)	Bury and District Joint Board at Birtle	(a) .. 41 21 167 3 8 57 26 .. 335 (b) .. 10 1 4 1 30 7 37 1 13 .. 104 (c) .. 6 .. 54 60 (d) 1 1																		Steam—Hospitals ..	353
Hindley	Scarlet fever cases treated at Horwich when beds available	8 beds* (used for enteric fever)	(a) .. 14 25 188 6 5 47 16 .. 302 (b) .. 2 3 4 2 23 7 65 17 24 .. 148 (c) 65 6 71 (d) 2 2																		Steam—Town's Yard	275
Huyton-with-Roby	1 bed at Whiston (more if vacant) Retaining Fee paid	1 bed at Whiston (more if vacant)	(a) .. 1 .. 4 10 3 .. 18 (b) 6 2 .. 9 (c) 2 2 (d)																		Steam—Whiston Sanatorium	25

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.																																															
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																		Apparatus and where situated.	No. of Houses or Rooms dis-infected.																																														
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.																																																
Ince-in-Makerfield	14 beds	12 beds*	(a) .. 10 16 330 7 3 4 36 14 420	(b) .. 3 .. 2 2 1 22 6 25 15 28 .. 104	(c) 98 98	(d)	(a) .. 13 14 17 3 4 1 1 10 16 19 98	(b) 1 1 1 .. 7 5 18	(c) 1 1	(d)	(a) .. 11 8 19 3 2 19 4 66	(b) .. 1 .. 1 11 2 14 1 5 .. 35	(c)	(d)	(a) .. 28 34 61 18 1 1 .. 6 116 18 283	(b) .. 2 .. 2 5 1 1 56 16 10 6 15 .. 114	(c) .. 11 .. 42 16 2 71	(d) 4 4	(a) .. 9 3 90 1 1 .. 2 7 4 .. 117	(b) 10 3 2 .. 15	(c) .. 3 .. 69 1 1 74	(d)	(a) .. 2 4 45 1 1 19 2 .. 74	(b) .. 1 9 1 1 12	(c) 3 42 1 46	(d)	(a) .. 1 3 17 2 4 27	(b) .. 1 6 6 2 .. 15	(c)	(d)	(a) .. 28 7 53 3 2 2 58 16 169	(b) .. 5 3 .. 1 22 10 1 3 25 .. 70	(c) .. 23 .. 36 2 61	(d) .. 3 1 4	(a) .. 30 8 28 4 32 3 105	(b) .. 1 .. 1 9 2 .. 2 1 .. 16	(c) .. 16 .. 23 39	(d) .. 1 1	(a) .. 6 6 33 1 1 1 16 4 .. 68	(b) .. 2 .. 1 11 2 1 .. 4 .. 23	(c) .. 2 .. 27 1 30	(d) 1 1	(a) .. 3 4 7 1 4 2 21	(b) .. 1 4 1 1 .. 7	(c) .. 3 .. 6 9	(d) .. 1 1	Steam—Hospital ..	348	Steam—Town's Yard	24	Steam—Farnworth ..	54	Steam—Hospital ..	215	Steam—Hospital ..	84	Steam—Hospital ..	61	Steam—Oldham C.B.	29	Steam—Council's Depot, School Lane	123	Steam—Hospital ..	77	Steam (portable)—Council Offices	44	Steam—Hospital ..	11

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.	
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital (d) Deaths in hospital.</i>																		Apparatus and where situated.	No. of Houses or Rooms dis-infected.
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.		
Little Crosby ..	At Liverpool Borough hospitals ..		(a)	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	Dry-heat—Great Crosby	4
			(b)	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2		
			(c)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Middleton (B.) ..	At Rochdale Boro. hospital	At Chadderton &c., joint hospital	(a)	..	31	21	87	9	..	1	..	..	3	56	24	..	..	..	..	232	Steam—Centre of Town	450
			(b)	..	6	..	..	1	..	..	..	..	..	41	10	9	..	10	..	77		
			(c)	..	11	..	38	7	..	..	..	..	..	..	..	..	..	..	..	56		
			(d)	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	3		
Morecambe (B.)	25 beds and 2 cots	10 beds and 1 cot	(a)	..	2	11	17	1	..	..	..	..	..	22	7	..	..	..	..	60	Steam—Out of Town, near Electricity Works	140
			(b)	..	..	..	..	1	..	..	..	..	..	8	4	3	1	1	..	18		
			(c)	..	1	..	14	1	..	..	..	..	..	..	..	..	..	..	..	16		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mossley (B.) ..	Nil	8 beds, May Hills..	(a)	..	..	1	79	2	..	..	..	..	..	23	3	..	..	..	..	108	Steam—Corporation Yard	111
			(b)	..	..	1	4	..	..	..	..	..	..	14	5	4	..	..	..	28		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nelson (B.) ..	8 beds (Catlow) ..	32 beds (Catlow) ..	(a)	..	84	23	417	1	..	..	..	..	5	57	25	..	..	..	..	612	Steam—Destructor Works	538
			(b)	..	13	..	5	1	..	..	..	..	..	33	4	2	2	5	..	65		
			(c)	..	..	..	18	..	..	..	..	..	..	..	..	..	..	..	..	18		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Newton-in-Maker-field	26 beds	At Liverpool Boro. hospital	(a)	..	21	21	97	3	..	5	..	..	7	22	20	..	..	..	..	196	Steam—Hospital ..	427
			(b)	..	1	..	2	1	..	..	..	..	..	17	11	1	7	10	..	50		
			(c)	..	11	..	71	2	..	..	..	..	..	..	..	..	..	..	..	84		
			(d)	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	3		
Norden	Nil	Converted farm-house—4 beds	(a)	..	5	2	3	..	..	..	..	..	..	5	3	..	..	..	..	18	Steam—Rochdale C.B. .	11
			(b)	..	1	..	..	..	..	..	..	..	..	3	1	..	..	1	..	6		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Orrell	Nil	Nil*	(a)	..	3	12	73	9	..	..	..	..	1	8	8	..	..	..	..	114	No apparatus ..	65
			(b)	..	..	..	3	2	..	..	..	..	..	4	5	..	2	7	..	23		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oswaldtwistle ..	Nil	6 beds (used for 2 scarlet fever cases)	(a)	..	7	12	41	1	..	..	..	..	2	11	..	..	..	..	..	74	Steam—Gas Works	71
			(b)	..	..	..	1	1	..	..	..	..	..	9	1	3	1	9	..	25		
			(c)	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Prescot	At Whiston Sanatorium ..		(a)	..	9	11	28	3	..	2	..	..	1	8	5	..	..	..	..	67	Steam—Whiston Sanatorium ..	44
			(b)	..	2	..	..	1	..	1	..	..	..	10	1	9	2	3	..	29		
			(c)	..	4	..	12	3	..	2	..	..	..	..	..	..	..	..	..	21		
			(d)	..	2	..	..	1	..	1	..	..	..	..	..	..	..	..	..	4		

District.	Nature of Hospital accommodation.		Infectious Diseases.																	Disinfection.				
			<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																					
	For ordinary infectious diseases.	For Small-pox.	Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms disinfected.		
Prestwich ..	At Salford Borough hospitals	(a)	..	12	7	46	18	2	85	No apparatus ..	66	
			(b)	..	3	..	2	..	..	..	..	..	..	..	14	4	2	..	3	..	28
			(c)	..	2	..	19			21
			(d)	1			1
Radcliffe ..			(a)	..	11	13	†154	‡4	3	42	40	267	Steam—Hospital ..	197	
			(b)	..	1	1	1	1	..	..	..	..	..	..	23	15	14	7	8	..	71
			(c)	..	7	..	70	3			80
			(d)	¶1	§1			2
Ramsbottom ..			(a)	..	14	5	32	3	3	12	10	79	Steam—Destructor Works		
			(b)	..	2	..	..	..	..	..	..	..	..	..	19	4	4	..	10	..	39
			(c)	..	8	..	18	3	..	..	..	..	..	..	..	..	..	..	..	..	29
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Tottington ..	At hospitals of the Bury and District Joint Hospital Board		(a)	..	1	3	72	1	..	2	1	5	2	87	Steam—Hospital ..	62	
			(b)	..	..	..	1	1	..	2	1	..	..	9	..	2	..	6	..	..	22
			(c)	..	1	1	41	1	..	2	1	..	..	..	..	..	..	..	..	..	47
			(d)	..	..	..	..	1	..	2	1	..	..	..	..	..	..	..	..	..	4
Whitefield ..			(a)	..	5	4	15	1	13	6	44	Steam—Florence Nightingale Hospital, Bury	26	
			(b)	..	1	..	..	2	..	..	..	..	..	4	4	5	2	4	..	..	22
			(c)	..	5	..	8	1	..	..	..	..	..	..	..	..	..	..	..	..	14
			(d)	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2
Bury (R.) ..			(a)	..	7	2	32	3	..	3	13	4	64	Steam—Florence Nightingale Hospital, Bury	60	
			(b)	..	..	..	3	1	..	2	..	..	..	..	5	3	3	1	5	..	23
			(c)	..	4	..	14	3	..	..	..	..	..	..	..	..	..	..	..	..	21
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Rainford ..	Nil ..	4 beds ..	(a)	..	2	4	3	3	3	2	17	No apparatus ..	8	
			(b)	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	3	
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rawtenstall (B.)	Arrangement made with Bury and District Joint Hospital Board	22 beds (The Ridge)	(a)	..	30	13	33	17	..	1	2	39	35	170	Steam—Small-pox hospital	176	
			(b)	..	6	..	1	1	..	..	..	..	..	26	11	10	2	4	..	61	
			(c)	..	7	..	7	1	..	..	..	..	..	..	..	..	..	..	..	15	
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
Rishton ..	Nil. "Occasionally send to Blackburn"	Nil ..	(a)	..	6	12	18	1	1	5	6	49	Steam—Blackburn C.B.	49	
			(b)	..	..	..	..	..	..	..	..	..	..	6	5	2	..	2	..	15	
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Skelmersdale ..	30 beds, and at West Lancashire hospital (if required)	Nil ..	(a)	..	7	3	22	2	..	1	3	4	45	Steam—West Lancashire Hospital	29	
			(b)	..	..	..	1	..	..	..	..	..	..	5	2	12	..	4	..	24	
			(c)	..	..	..	18	2	..	..	..	..	..	..	..	..	..	..	..	20	
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

† One case fatal, death due to measles.

‡ One case fatal, death due to pneumonia.

§ Admitted as scarlet fever.

¶ Admitted as diphtheria.

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.	
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																		Apparatus and where situated.	No. of Houses or Rooms disinfected.
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.		
Standish-with-Langtree	Nil	Cottage—6 beds*	(a) .. 6	14	65	13	..	..	..	..	..	..	10	4	..	..	..	..	112	No apparatus ..	70
			(b) .. 3	1	1	1	..	..	..	..	..	..	4	4	..	4	3	..	21		
			(c) .. ..	..	†5	†1	..	..	..	..	..	..	..	..	..	..	..	..	6		
			(d) .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stretford ..	At Salford Borough hospitals ..	(18 beds) (6 beds)	(a) .. 29	20	164	4	..	..	2	1	1	11	88	18	..	..	..	19	357	Steam—Sanitary	339
			(b) .. 5	..	1	2	..	..	1	..	..	..	43	14	13	5	10	..	94	Depôt	
			(c) .. 18	..	88	3	..	..	2	..	..	..	..	..	..	..	..	..	111		
			(d) .. 3	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	6		
Swinton and Pendlebury	At Salford Boro. hospital (14 beds)	Joint at Linnyshaw Moss—20 beds	(a) .. 46	42	119	20	..	..	1	..	2	11	90	54	..	..	..	..	385	Steam—Destructor Works	218
			(b) .. 5	1	3	2	..	..	2	..	..	..	35	10	28	2	20	..	108		
			(c) .. 3	1	38	13	..	..	1	..	..	..	..	..	..	..	..	..	56		
			(d) .. 1	..	2	2	..	..	1	..	..	..	..	..	..	..	..	..	6		
Worsley ..	At Salford Boro. hospital (6 beds)		(a) .. 31	8	70	6	..	..	..	..	..	1	12	10	..	..	..	..	138	Steam—Salford C.B.	106
			(b) .. 5	1	..	2	..	..	..	..	..	..	5	4	6	1	6	..	30		
			(c) .. ..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	7		
			(d) .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Trawden ..	At Colne Borough hospitals ..		(a) .. ..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	5	Steam—Nelson (B.)..	2
			(b) .. ..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	2		
			(c) .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turton ..	At Bury, &c., joint hospital	2 beds (Bury, &c., joint hospital)	(a) .. 2	8	29	7	..	..	..	..	..	..	12	3	..	..	..	..	61	Steam—Hospital ..	59
			(b) .. 2	..	..	..	..	..	..	..	..	..	12	2	6	..	..	..	22		
			(c) .. ..	..	11	3	..	..	..	..	..	..	..	..	..	..	..	..	14		
			(d) .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Upholland ..	Nil	Tent—8 beds*	(a) .. 4	5	62	14	..	..	..	..	..	1	11	4	..	..	..	..	101	No apparatus ..	93
			(b) .. 2	1	1	4	..	..	..	..	..	..	6	2	3	..	1	..	20		
			(c) .. ..	..	..	†4	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d) .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Urmston ..	At Salford Borough hospitals ..	(5 beds) (2 beds)	(a) .. 3	1	6	..	..	..	..	..	..	..	8	2	..	..	..	..	20	Steam—Salford C.B.	20
			(b)	1	1	..	..	..	..	..	..	..	5	..	..	1	..	..	8		
			(c) .. 1	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d) .. ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Walton-le-Dale ..	20 beds (School Lane)	8 beds (Brackkirk)	(a) .. 18	3	73	4	..	..	..	1	..	2	18	2	..	..	..	..	121	Steam—Hospital ..	143
			(b) .. 2	..	3	2	..	..	..	..	..	..	7	5	12	2	9	..	42		
			(c) .. 17	..	65	4	..	..	..	..	..	..	..	..	..	..	..	..	86		
			(d) .. 2	..	3	2	..	..	..	..	..	..	..	..	..	..	..	..	7		
Waterloo-with-Seaforth	At Liverpool Borough hospitals ..		(a) .. 41	26	141	4	..	1	..	1	..	5	59	17	..	..	..	..	295	Steam—Council's Yard	243
			(b) .. 5	1	2	3	..	..	..	1	..	..	16	9	1	12	15	..	65		
			(c) .. 16	..	65	..	..	..	..	..	..	1	..	..	..	..	..	..	82		
			(d) .. 3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4		

† Treated at Wigan.

District.	Nature of Hospital accommodation.		Infectious Diseases.																	Disinfection.		
			<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																			
	For ordinary infectious diseases.	For Small-pox.	Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhea.	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Whitworth ..	Nil	Cottage—12 beds	(a) ..	11	11	17	..	..	..	..	..	..	..	30	13	..	..	..	..	82	No apparatus ..	25
			(b) ..	..	..	..	..	..	..	..	..	..	..	15	8	..	..	3	..	26		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Widnes (B.) ..	40 beds (Crow Wood)	8 beds (Barrow's Green)	(a) ..	31	9	167	16	..	..	2	..	..	7	99	42	..	..	..	..	373	Steam—Hospital ..	232
			(b) ..	6	1	1	3	..	..	1	..	..	..	43	9	11	30	40	..	145		
			(c) ..	18	..	125	16	..	..	..	..	..	..	..	..	..	..	..	..	159		
			(d) ..	1	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	4		
Withnell ..	25—30 beds	1 bed at Finnington (Blackburn)	(a) ..	..	1	..	..	..	..	..	..	..	..	3	2	..	..	..	..	6	Steam—Hospital ..	2
			(b) ..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barton-upon-Irwell (R.)	At Salford Borough hospitals (5 beds)	(2 beds)	(a) ..	3	4	57	7	..	..	..	..	..	..	16	6	..	..	..	..	93	Steam—Mode Wheel, Salford	71
			(b) ..	..	1	..	2	..	..	..	..	..	..	9	1	3	3	1	..	20		
			(c) ..	3	..	44	6	..	..	..	..	..	..	..	..	..	..	..	..	53		
			(d) ..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	3		
Lancaster (R.) ..	At Lancaster Borough hospitals		(a) ..	1	2	34	1	..	..	..	..	..	..	8	1	..	..	..	..	47	No apparatus ..	28
			(b) ..	..	..	..	..	..	..	..	..	..	..	7	1	4	5	3	..	20		
			(c) ..	..	..	26	..	..	..	..	..	..	..	..	..	..	..	..	..	26		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blackburn (R.) ..	Arrangement with Blackburn (C.B.), Chorley (B.), & Withnell fever hospitals	At Blackburn Boro. hospital	(a) ..	2	1	16	4	..	..	..	..	..	..	24	..	..	..	..	..	47	Steam—Blackburn C.B.	23
			(b) ..	1	..	1	1	..	..	..	..	..	..	5	..	1	1	1	..	11		
			(c) ..	..	..	3	1	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d) ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Lunesdale (R.) ..	Hospital at Farleton (13 beds)		(a) ..	4	1	6	1	..	..	..	1	..	..	..	..	..	..	..	..	13	Steam—Lancaster (B.)	11
			(b) ..	..	..	..	..	..	..	..	1	1	..	2	1	1	4	1	..	11		
			(c) ..	4	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	10		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sefton (R.) ..	At Liverpool Borough hospitals		(a) ..	1	5	7	..	..	..	1	..	..	..	10	1	..	..	..	..	25	Steam—Liverpool C.B.	20
			(b) ..	..	..	..	..	..	..	1	..	..	..	4	1	..	3	3	..	12		
			(c) ..	1	..	3	..	..	..	1	..	..	..	..	..	..	..	..	..	5		
			(d) ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1		
Warrington (R.)	At Warrington C.B. and Newton-in-Makerfield	Nil	(a) ..	24	7	71	8	..	..	..	1	..	3	20	7	..	..	..	..	†142	Steam—Hospital ..	73
			(b) ..	2	..	2	1	..	..	..	1	..	..	9	2	3	2	4	..	‡27		
			(c) ..	5	..	9	4	..	..	..	..	..	..	..	..	..	..	..	..	18		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
West Lancashire (R.)	26 beds—(Aughton)	Tent—8 beds	(a) ..	24	9	106	8	..	..	1	..	..	..	22	5	..	..	..	..	175	Steam—Hospital ..	162
			(b) ..	2	..	1	1	..	..	..	..	..	..	13	2	3	5	1	..	28		
			(c) ..	20	..	82	2	..	..	..	..	..	..	..	..	..	..	..	..	104		
			(d) ..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	3		

Includes † 1 case, ‡ 1 death from anthrax.

District.	Nature of Hospital accommodation.		Infectious Diseases.																		Disinfection.	
			<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																			
	For ordinary infectious diseases.	For Small-pox.	Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles.	Whooping Cough.	Diarrhoea.	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms disinfected.
Whiston (R.)	34 beds	20 beds	(a)	18	9	68	1	..	..	3	..	..	..	18	5	..	..	..	..	122	Steam—Sanatorium	80
			(b)	3	1	1	..	..	..	2	..	..	..	10	7	10	1	6	..	41		
			(c)	14	..	48	11	..	..	..	..	..	..	..	..	..	..	..	..	63		
			(d)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Wigan (R.)	Nil	Cottage—4 beds*	(a)	7	6	11	2	..	..	..	..	..	1	6	1	..	..	..	..	34	No apparatus	34
			(b)	..	..	..	..	..	..	..	..	..	..	4	..	3	5	1	..	13		
			(c)	..	..	§1	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
County, 1915:—																						
	Total cases notified		..	3	1518	1211	7526	530	..	5	92	33	14	255	2915	1155	149	..	..	184	†15591	
	„ deaths		..	..	247	42	141	127	..	..	35	23	6	..	1614	555	817	337	868	..	†4813	
	„ removals to hospital		..	2	573	10	3384	245	..	1	12	10	..	4	..	..	..	..	..	4241	Total houses or rooms disinfected	13345
	„ deaths in hospital		..	..	53	1	64	50	..	1	6	5	..	..	..	¶1	..	..	..	181		

§ Treated at Wigan. Includes † 1 case, ‡ 1 death from anthrax. || Case fatal, death due to meningitis. ¶ Admitted as scarlet fever

their districts when suffering from these diseases. The Board, in a circular accompanying the Order, state that many lives will be saved and much suffering avoided if parents can be brought to realise that measles is not a trifling ailment, and if they are guided by accurate advice in taking the greatest care, and in exercising precautions which are within their reach.

Isolation Hospitals.—Table D appended gives briefly particulars of the hospital accommodation provided in or for each of the County districts, and also shows for each district (*a*) the number of cases of infectious disease notified, (*b*) the total deaths from these diseases, (*c*) the number of cases removed to hospital, and (*d*) the number of deaths in hospital.

The table below contrasts the mortality of cases of small-pox, scarlet fever, diphtheria, and enteric fever treated in hospital with those treated at home :—

	Total cases notified.	Hospital Treatment.			Home Treatment.		Case mortality per cent.	
		Cases removed to hospital.	Percentage of removals.	Deaths in hospital.	Cases treated at home.	Deaths at home.	In hospital.	At home.
Small-pox ..	3	2	66·6	..	1	..	..	..
Scarlet Fever.	7526	3384	44·9	64	4142	77	1·89	1·85
Diphtheria ..	1518	573	37·7	53	945	194	9·24	20·52
Enteric Fever.	530	245	46·2	50	285	77	20·40	27·01

The following references regarding isolation hospital accommodation are taken from the district reports :—

Ashton-under-Lyne (B.).—Improvements have been made in the hospital buildings.

Bacup (B.).—Since last year arrangements made with the Bury Joint Board for the accommodation of cases of cerebro-spinal fever.

Billinge.—The cottage at Brownlow has not been used during the year, and is only fit for an emergency case. Any expenditure by way of repairs to this building would be injudicious, as the building cannot be made to meet modern requirements.

Colne (B.).—Small-pox hospital.—This building is kept in readiness for the reception of patients, and has been further extended by the erection of a discharging room, bathroom, and scullery. The number of beds is 20. A temporary hospital, containing 10 beds, for the treatment of infectious diseases, has been erected on Jerusalem Farm.

Heywood (B.).—The small-pox hospital at Bird-i'th-Hand has been transferred to the Bury and District Joint Hospital Board.

Hurst.—Hospital accommodation for infectious diseases, other than small-pox, is one of the chief sanitary requirements of the district.

Lancaster (B.).—The extension of the isolation hospital by the erection of an observation block to contain six beds was postponed owing to the war.

Middleton (B.).—An agreement has been arrived at with Chadderton, Royton and Crompton Joint Hospital Board for the reception of any cases of small-pox which may occur in the borough.

Whitworth.—The Medical Officer of Health expresses the opinion “that it is very desirable that some provision should be made for obtaining a few beds to be placed at our disposal by some neighbouring Authority for any serious infectious cases other than small-pox. In the near future I expect the Local Government Board will insist on this.”

Disinfection.—From information extracted from the reports of district Medical Officers of Health, and shown on Table D, page liii. the position of the County districts in regard to disinfecting apparatus at the end of 1915 was as follows :—

Districts provided with steam apparatus	...	27
„ using steam apparatus at infectious hospitals	... ..	42
„ using steam apparatus belonging to other districts (mainly County or Municipal Boroughs)	... ..	27
„ provided with dry-heat apparatus	...	1
„ using dry-heat apparatus belonging to other districts	... ..	1
„ without proper appliances	... ..	25
		<hr/>
		123
		<hr/>

During the year new steam disinfecting apparatus was provided at Litherland and Mossley (B.); and Golborne, Kearsley, and Blackburn (R.), which in 1914 reported they had no means of efficient disinfection of bedding, clothing, &c., now state that they have made arrangements for the use of steam apparatus in neighbouring districts.

Many fairly populous districts, viz., Adlington, Billinge, Colne (B.), Dalton-in-Furness, Denton, Orrell, Prestwich, Standish-with-Langtree, Whitworth, &c., are unprovided with efficient means of disinfection.

The Medical Officers of Health of Chadderton, Denton, and Heywood (B.), again point out the necessity for the provision of up-to-date apparatus.

Houses (or rooms) fumigated in the County districts numbered 13,345, against 12,963 in 1914.

Housing of the Working Classes.—The following tabular statement gives brief details, as supplied by the local Medical Officers of Health, of the action taken by District Councils in regard to housing accommodation :—

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses.		
	Total number In-spected	No. In-spected under Sec. 17 of 1909 Act.	No. considered unfit for human habitation.			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	No. demolished.
URBAN.								
Abram	111	15	..	..	..	19	..	..
Accrington (B.).....	108	108	5	5	5	103	5	..
Adlington	164	164	..	..	..	..	..	..
Ashton-in-Makerfield.	404	72	..	..	..	63	..	11
Ashton-under-Lyne (B.)	3601	..	..	..	..	4	2	7
Aspull	22	..	..	..	..	..	..	..
Atherton	141	1	1	1	1	140	..	6
Audenshaw	Not given	278	15	..	..	10	..	..
Bacup (B.)	122	4	4	4	4	113	..	..
Barrowford	77	..	1	1	1	24	1	..
Billinge	23	10	3	1	1	7	..	..
Bispham-with-Norbreck.....	14	..	..	..	..	4	..	..
Blackrod	58	..	1	..	..	..	..	1
Brierfield.....	61	..	..	..	..	16	..	..
Carnforth	402	..	..	..	..	..	..	..
Chadderton.....	175	175	13	13	13	30	2	..
Chorley (B.)	107	13	99	13	13	61	9	..
Church	25	..	..	..	..	15	..	..
Clayton-le-Moors	34	20	20	7	2	16	..	16
Clitheroe (B.).....	291	2	2	2	..	132	..	..
Colne (B.).....	490	453	..	..	..	370	..	..
Crompton.....	470	450	2	6	6	113	6	..
Croston	17	..	..	..	..	..	..	..
Dalton-in-Furness ..	122	..	..	..	..	49	..	..
Darwen (B.)	3822	25	9	9	..	6	..	..
Denton	22	22	13	13	13	22	6	16
Droylsden	138	8	3	3	8	10	5	..
Eccles (B.)	435	26	26	20	26	..	9	7
Failsworth	49	49	5	5	5	36	..	1
Farnworth	176	..	..	..	6	..	11	1
Fleetwood	111	..	..	..	..	43	..	..
Formby .....	..	..	..	..	..	..	..	..
Fulwood	Nil.	..	..	..	..	..	..	..
Golborne	33	..	..	..	..	6	..	..
Grange-over-Sands ..	17	..	..	..	..	..	..	..
Great Crosby	2	2	2	2	1	1	..	..
Great Harwood	23	..	..	..	..	..	..	..
Haslingden (B.).....	351	351	3	..	..	..	..	..
Haydock .....	..	..	..	..	..	..	..	..
Heysham.....	32	..	..	..	..	..	..	..
Heywood (B.)	280	117	31	10	7	19	2	24
Hindley	195	48	8	8	8	40	..	..
Horwich	76	14	..	..	..	14	..	..

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses.		
	Total number Inspected	No. Inspected under Sec. 17 of 1909 Act.	No. considered unfit for human habitation.			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	No. demolished.
Hurst	1056	4	4	4	4	..	..	2
Huyton-with-Roby ..	123	4	4	..	..	..	..	..
Ince-in-Makerfield ..	166	166	1	166	166	..	133	..
Irlam .....	..	..	..	..	..	..	..	..
Kearsley .....	..	..	..	..	..	..	..	..
Kirkham	216	57	14	14	14	17	6	4
Lancaster (B.)	3200	..	65	65	32	196	6	4
Lathom & Burscough.	..	..	..	..	..	..	..	..
Lees	37	..	..	..	..	57	..	..
Leigh (B.)	143	43	36	36	29	7	36	..
Leyland .....	..	..	..	..	..	..	..	..
Litherland	810	213	..	..	..	172	..	..
Littleborough	69	2	2	..	..	28	..	..
Little Crosby	12	..	..	..	..	3	..	..
Little Hulton ..	242	..	..	..	..	63	..	..
Little Lever	87	32	32	32	7	6	..	..
Longridge	52	..	..	..	..	..	..	..
Lytham	28	..	5	..	..	6	..	..
Middleton (B.)	631	7	7	1	1	18	10	..
Milnrow	46	..	1	..	..	87	..	..
Morecambe (B.) .....	..	..	..	..	..	..	..	..
Mossley (B.)	140	..	..	..	..	68	..	..
Nelson (B.)	6	6	6	6	6	..	6	..
Newton-in-Makerfield.	185	..	..	..	..	8	..	..
Norden	24	24	..	..	..	12	..	..
Ormskirk	72	1	1	1	1	20	..	..
Orrell	75	33	26	26	26	7	10	..
Oswaldtwistle	90	1	90	1	5	42	..	..
Padiham	255	..	33	11	11	59	..	10
Poulton-le-Fylde	45	30	..	..	..	..	..	..
Preesall	150	..	1	..	1	30	..	..
Prescot	183	10	10	10	1	9	..	..
Prestwich	48	48	..	..	..	..	..	..
Radcliffe	80	..	..	..	..	..	2	24
Rainford	20	20	..	..	..	..	..	..
Ramsbottom	176	116	..	..	..	86	..	..
Rawtenstall (B.)	29	7	7	7	6	..	..	..
Rishton	230	..	..	..	..	..	..	..
Royton	80	80	..	..	..	..	..	..
St. Annes-on-the-Sea..	49	..	..	..	..	16	..	..
Skelmersdale	68	..	..	..	..	34	..	..
Standish-with-								
Langtree	92	..	..	..	..	56	..	..
Stretford	737	..	..	..	..	..	..	..
Swinton and Pendle-								
bury	214	214	201	30	30	81	14	8
Thornton	322	4	..	..	..	3	..	..
Tottington	149	..	..	..	..	120	..	..
Trawden	145	17	..	..	..	17	..	..
Turton	370	..	..	..	..	29	..	5
Tyldesley-with-								
Shakerley	160	160	11	1	1	10	..	..
Ulverston	41	..	..	..	..	..	..	..
Upholland	5	..	..	..	..	..	..	..
Urmston	34	..	..	..	..	9	..	..

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses.		
	Total number In-spected	No In-spected under Sec. 17 of 1909 Act.	No. considered unfit for human habitation.			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	No. demolished.
Walton-le-Dale	297	90	6	6	2	30	3	4
Wardle	43	..	5	5	1	33	1	..
Waterloo-with- Seaforth	102	102	..	..	..	90	..	..
Westhoughton .....	..	..	..	..	..	..	..	2
Whitefield	2	2	2	2	2	..	2	..
Whitworth	32	..	..	..	..	..	..	..
Widnes (B.) .....	..	..	..	..	..	44	..	..
Withnell	82	11	1	1	..	6	..	..
Worsley	86	..	..	..	..	39	..	..
Total Urban Districts.	24637	3631	837	548	466	3104	287	153
RURAL.								
Barton-upon-Irwell ..	41	3	3	3	3	6	2	2
Blackburn	130	4	4	4	1	80	..	1
Burnley	42	42	..	5	..	7	..	1
Bury	80	..	11	..	..	41	..	2
Chorley	51	1	20	3	3	20	2	4
Clitheroe (Lancashire portion)	76	13	..	..	..	19	..	..
Fylde	159	1	1	1	1	11	..	..
Garstang	75	2	2	2	..	..	1	4
Lancaster	107	..	..	..	..	..	..	..
Leigh	386	4	4	..	3	1	..	..
Limehurst	42	27	1	..	..	1	..	..
Lunesdale	17	..	..	..	..	6	..	..
Preston	Not given	44	..	..	..	22	..	..
Sefton .....	..	..	..	..	..	..	..	..
Ulverston	388	..	..	..	2	81	3	..
Warrington	288	..	..	..	..	139	..	..
West Lancashire	211	211	2	2	2	104	..	1
Whiston	222	..	2	2	2	1	..	2
Wigan	138	138	3	3	3	1	1	..
Total Rural Districts.	2453	490	53	25	20	540	9	17
Total Administrative County (1915)	27090	4121	890	573	486	3644	296	170
Do. (1914)	29351	..	1198	794	488	5808	182	220

As will be seen from the following extracts from district reports, many housing schemes, owing to the exigencies of the war, are for the present in abeyance :—

Ashton-in-Makerfield.—Owing to the war, Council's scheme in abeyance.

Billinge.—The housing conditions in parts of the district are unsatisfactory, and the property in some cases is of such a character that any attempt to put same into a habitable condition would be impossible. The housing scheme contemplated by District Council is suspended by reason of economic conditions.

Clitheroe (B.).—There are still 227 single and back-to-back houses in the town, none having been converted into double houses during the year. Suggested housing scheme by the Council is postponed for the present.

Eccles (B.).—There is an increasing demand for houses suitable for the working classes, and there are no indications of this demand being met—at any rate by private enterprise. For the time being, the South-East Eccles scheme appears to be at a standstill owing to the war. No more houses have been closed because such action would have made the housing question much more acute. The Inspector reports “there is undoubtedly a serious shortage of housing accommodation, and this will probably constitute one of the most serious problems to be considered and dealt with in the near future.”

Hindley.—Council's scheme for erection of artisan's dwellings suspended during the war.

Irlam.—Great deficiency of houses throughout the district; 50 houses erected during 1915 at the cost of the Council.

Leigh (B.).—It is a fact that overcrowding exists in all parts of the Borough. This evil is undoubtedly not only playing a serious part in our high infant mortality, it is also of serious moment in relation to infectious diseases. During the two years, 1914 and 1915, the Corporation have erected 111 houses.

Leyland.—In my opinion there is still a deficiency of houses for the working classes.

Little Lever.—Plans, &c., for 30 houses prepared by Council, but not proceeded with owing to the war.

Middleton (B.).—Twenty-four houses recently erected at cost of Council.

Milnrow.—There is still a shortage of good houses suitable for the working classes.

Newton-in-Makerfield.—The erection of houses by the Council is postponed till the end of the war.

Ormskirk.—Council considered question of a site for the erection of workmen's dwellings. Provisional arrangements made for purchase of site in Queen Street.

Prescot.—Twelve houses built by Council during 1915. More artisan dwellings needed.

Radcliffe.—The erection of workmen's dwelling-houses and other schemes for the sanitary improvement of the district have had to be abandoned owing to the war.

Rainford.—This year has seen the completion and tenancy of the 14 cottages erected by the Urban District Council to meet the overcrowding which was present before the war, though now this question is certainly not acute.

Swinton and Pendlebury.—This Council had prepared a scheme for supplying initially forty working-class dwellings. After inquiry, consent was given by the Local Government Board to the borrowing by the Council of the necessary capital for the scheme. This power was eventually withheld on the score of economy, and, like the new sewerage scheme, the housing scheme is in a state of suspended animation.

Upholland.—Erection of eight dwellings by District Council decided upon, but postponed until termination of war.

Westhoughton.—Housing scheme at present under consideration, owing to establishment of works for the Admiralty in the district.

DISTRICT.	REFUSE DESTROYERS PROVIDED.	CANAL BOATS.		PUBLIC ABATTOIRS PROVIDED.	DAIRIES, COWSHEDS, &c.				NUISANCES.			CLOSET ACCOMMODATION.										SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND SALARY.	
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any Arrangement for Veterinary Inspection of Cows.	Samples of Milk Examined for Tubercle.	Notices served.	Nuisances abated.	Legal Proceedings and Result.	Number of				Conversions during 1915.				Council's contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.			
												Privy Middens.	Pail Closets.	Fresh Water Closets.	Waste Water Closets.	Privies to Water Closets.	Privies to Pails, &c.	Pails to Water Closets.	Waste Water Closets to Fresh Water Clos.						
Lunesdale	1	..	..	†417	..	..	..	25	60	..	125	58	460	..	4	..	..	..	..	..	..	B. J. Acheson,	£20	
Preston	24	..	..	393	..	..	..	60	201	..	1754	931	346	425	..	50	..	..	..	..	..	C. J. Trimble,	£130	
Sefton	64	..	..	..	13	13	..	†About 800		No record		..	..	..		..	..	..	J. C. Bradshaw,	£105	
Ulverston	127	..	..	..	1	1	..	2868	..	679	..	15	..	..	..	..	..	..	G. H. Patterson,	£230	
Warrington	24	8	..	60	59	..	..	113	240	..	653	1736	428	13	1	14	..	..	..	..	..	T. A. Murray,	£170	
West Lancashire	46	7	..	53	1	..	..	153	303	..	3329	378	664	30	33	28	1	..	..	..	..	T. G. H. Hunter,	£120	
Whiston	186	..	..	..	89	594	..	2031	326	769	18	1	13	..	..	..	..	..	T. M. Mercer,	£175	
Wigan	38	..	..	46	1	..	..	65	53	2— Withdrawn	916	81	91	..	..	3	..	..	..	..	..	G. H. Ormsby	£80	
TOTAL RURAL DISTRICTS	..	290	26	..	2717	172	..	4	1733	3672	4	24270	7837	9498	4142	176	143	66	1	..	40	..			
TOTAL ADMIN. COUNTY ..	30	949	116	12	6250	1823	20	97	21890	43878	50	65686	49400	190436	89139	2856	219	759	184	..	1965	20			

DISTRICT.	REFUSE DESTROYERS PROVIDED.	CANAL BOATS.		PUBLIC ABATOIRS PROVIDED.	DAIRIES, COWSHEDS, &C.				NUISANCES.			CLOSET ACCOMMODATION.										SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND SALARY.	
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any Arrangement for Veterinary Inspection of Cows.	Samples of Milk Examined for Tubercle.	Notices served.	Nuisances abated.	Legal Proceedings and Result.	Number of				Conversions during 1915.				Council's contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.			
												Privy Middens.	Pail Closets.	Fresh Water Closets.	Waste Water Closets.	Privies to Water Closets.	Privies to Pails, &c.	Pails to Water Closets.	Waste Water Closets to Fresh Water Clos.						
Waterloo-with-Seaforth	23	19	..	a42	639	3166	b1	..	10	10075	..	..	..	..	..	..	..	..	..	V. J. Glover,	£130
Westhoughton	63	..	..	..	90	90	..	2178	2	816	117	8	..	..	..	Half-cost	..	..	..	W. H. Leigh,	£60
Whitefield	9	17	Yes	c5	98	227	..	414	70	692	165	8	..	..	2	..	22	..	..	A. J. Young,	£40
Whitworth	20	45	..	..	55	218	..	..	1467	252	200	..	..	3	..	..	4	..	..	T. J. L. Forbes,	£60
Widnes (B.)	Yes	14	6	..	9	74	..	..	477	1140	..	497	..	3206	1005	271	..	..	2	Half-cost, privies only	..	..	..	A. Jones,	£320
Withnell	30	32	..	..	..	9	..	61	560	145	50	..	7	2	..	..	4	..	..	S. W. Maclean,	£25
Worsley	46	6	..	23	2	..	..	110	244	..	2104	4	1344	52	29	..	..	..	..	22	..	..	R. Sayers,	£70
TOTAL URBAN DISTRICTS..	30	659	90	12	3533	1651	20	93	20157	40206	46	41416	41563	180938	84997	2680	76	693	183	..	1925	20			
RURAL.																									
Barton-upon-Irwell	23	30	..	..	52	278	..	540	160	1355	12	32	..	1	..	..	9	..	..	D. W. Davidson,	£80
Blackburn	334	..	..	..	209	209	..	68	1030	915	81	4	4	26	..	..	12	..	..	W. R. Pollard,	£60
Burnley	278	..	..	4	131	492	..	794	848	545	2570	4	2	38	1	..	4	..	..	H. J. Robinson,	£150
Bury	26	5	..	99	2	..	..	86	117	..	877	80	528	50	3	..	..	..	..	10	..	..	J. W. Cook,	£95
Chorley	129	..	..	..	54	54	1—Eject-ment	3492	328	478	35	33	..	..	..	..	1	..	..	J. A. Harris,	£150
Clitheroe (Lanc. portion)	53	..	..	..	80	60	..	791	243	362	307	13	13	..	..	..	..	..	..	J. M. Postlethwaite, £50 J. S. Cooper (acting)	
Fylde	†85	4	..	..	71	144	1—Order made	1835	135	615	16	21	..	..	..	..	1	..	..	C. Court,	£60
Garstang	45	2	..	..	93	176	..	493	849	347	..	3	9	..	..	..	..	..	..	T. Fisher,	£70
Lancaster	48	..	..	93	1	..	..	121	336	..	957	159	608	14	5	1	..	..	..	..	..	..	W. Edmondson,	£50
Leigh	83	6	..	†136	68	..	..	298	273	..	1760	75	178	2	4	..	..	..	..	..	..	..	L. Tong,	£80
Limehurst	96	4	..	..	19	68	..	187	420	130	569	..	6	..	..	..	3	..	..	G. F. Bowman,	£40

a 3, c 1 found tuberculous. b Council did work and recovered cost.

DISTRICT.	REFUSE DESTRUCTORS PROVIDED.	CANAL BOATS.		PUBLIC ABATOIRS PROVIDED.	DAIRIES, COWSHEDS, &C.				NUISANCES.			CLOSET ACCOMMODATION.										SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND SALARY.
		No. Inspected.	No. of Infractions.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any Arrangement for Veterinary Inspection of Cows.	Samples of Milk Examined for Tubercle.	Notices served.	Nuisances abated.	Legal Proceedings and Result.	Number of				Conversions during 1915.				Council's contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.		
												Privy Middens.	Pail Closets.	Fresh Water Closets.	Waste Water Closets.	Privies to Water Closets.	Privies to Pails, &c.	Pails to Water Closets.	Waste Water Closets to Fresh Water Clos.					
Radcliffe	Yes	169	23	..	24	33	..	..	53	2377	..	1964	235	2427	1683	142	..	14	2	..	41	..	D. P. M. Farquharson, £10
Rainford .....	..	..	..	..	20	21	..	..	15	15	..	700	8	46	..	..	..	..	..	..	..	..	F. Prosser, £30
Ramsbottom	Yes	..	..	..	69	..	..	..	6	833	..	370	560	1050	1304	58	..	31	8	..	37	..	H. Lawrie, £60
Rawtenstall (B.)	Yes	..	..	..	254	1	..	..	25	340	..	50	560	2101	3841	4	..	54	..	Half-cost up to £2	14	..	J. E. Helm, £10
Rishton .....	..	..	..	..	30	30	..	..	15	15	..	31	24	107	1631	..	..	..	..	..	..	..	J. Barr, £50
Royton	Yes	..	..	..	26	6	Quarterly Inspection	..	107	200	..	2	2555	3	972	1	1	8	..	..	15	..	R. Young, £75
St. Annes-on-the-Sea	Yes	..	..	Yes	21	6	Quarterly Inspection	4	258	390	..	19	45	4616	21	5	..	1	..	Occasionally ; 30s. per closet	6	..	F. Booth, £100
Skelmersdale .....	..	..	..	..	12	1	..	..	25	56	..	725	21	205	..	14	2	..	..	Half-cost privies, Whole cost pails	..	..	V. O'Reilly, £45
Standish-with-Langtree ..	..	..	..	..	26	4	..	..	94	89	1—Withdrawn	1004	25	256	1	2	..	2	..	..	..	..	G. H. Ormsby, £35
Stretford	Yes	..	..	..	14	150	..	20	346	2100	..	1	191	13159	352	..	5	..	22	Usually 25s.	108	5—Total fines £7 12s.	W. J. Heslop, £150
Swinton-and-Pendlebury ..	Yes	..	..	..	15	19	..	..	331	1377	1—Order made	1364	64	5229	82	166	..	..	18	..	62	..	W. S. Stalker, £225
Thornton .....	..	..	..	..	50	30	..	..	2	2	..	78	290	790	21	..	..	..	..	..	Several	..	F. S. Rhodes, £45
Tottington .....	..	..	..	..	70	..	..	..	25	178	..	583	194	451	134	23	1	..	1	15s. per closet	18	..	A. H. Poole, £60
Trawden .....	..	..	..	..	85	..	Yes	..	2	8	..	16	315	107	228	..	..	6	1	..	..	..	G. Skeen, £20
Turton .....	..	..	..	..	151	91	..	..	115	99	..	879	40	740	1154	54	..	..	..	Half-cost	76	..	J. Robinson, £60
Tyldesley-with-Shakerley ..	..	..	..	..	22	6	..	..	554	554	..	501	9	2057	584	116	..	..	..	Do.	18	..	B. Blakemore, £80
Ulverston .....	..	..	..	..	31	..	..	..	46	46	..	223	4	1997	..	2	..	..	..	..	..	..	G. H. Patterson, £105
Upholland .....	..	..	..	..	24	6	..	..	30	63	..	358	..	145	..	2	..	..	..	Cost of sewerage	..	..	F. H. Browne, £70
Urmston .....	..	..	..	..	5	14	Yes	..	105	217	..	125	..	1953	77	23	..	..	..	..	..	..	G. E. Fryer, £50
Walton-le-Dale .....	..	..	..	..	41	2	..	..	485	441	..	413	973	1021	300	28	3	61	16	Half-cost	..	..	C. J. Trimble, £50 M. Phillips (acting)
Wardle .....	..	..	..	..	51	..	..	..	88	88	1—Ejectment	212	244	298	108	..	..	19	..	..	..	..	G. MacGill, £40

DISTRICT.	REFUSE DESTROYERS PROVIDED.	CANAL BOATS.		PUBLIC ABATTOIRS PROVIDED.	DAIRIES, COWSHEDS. &C.				NUISANCES.			CLOSET ACCOMMODATION.									SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND SALARY.	
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any Arrangement for Veterinary Inspection of Cows.	Samples of Milk Examined for Tubercle.	Notices served.	Nuisances abated.	Legal Proceedings and Result.	Number of				Conversions during 1915.				Council's contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.		
												Privy Middens.	Pail Closets.	Fresh Water Closets.	Waste Water Closets.	Privies to Water Closets.	Privies to Pails, &c.	Pails to Water Closets.	Waste Water Closets to Fresh Water Clos.					
Littleborough.....	..	38	..	..	81	46	..	..	50	305	..	Few only	1621	381	396	..	3	11	..	..	46	..	J. T. R. MacGill,	£1
Little Crosby .....	..	..	..	..	2	..	..	..	2	2	..	55	5	242	..	..	2	..	..	..	..	..	E. Buxton,	£2
Little Hulton .....	..	..	..	..	15	..	..	..	22	120	..	644	1	317	122	22	..	..	..	..	6	..	J. H. Marsh,	£4
Little Lever .....	..	39	3	..	11	..	..	..	77	73	..	734	21	220	114	8	..	..	..	..	6	..	J. S. Pickford,	£3
Longridge .....	..	..	..	..	9	9	..	..	57	68	..	14	29	488	400	..	..	..	3	..	..	..	G. Jukes,	£4
Lytham	Yes	..	..	Yes	19	13	When required	..	74	250	..	..	8	2353	6	..	..	..	..	..	..	..	G. Barlow,	£1
Middleton (B.)	Yes	17	2	..	63	10	..	..	168	273	..	1	429	2224	3631	..	5	5	..	Half-cost	62	6—Total fines, £2 14s. 6d.	F. J. Wheeldon,	£1
Milnrow .....	..	..	..	..	105	..	..	..	4	614	..	94	1289	195	78	..	6	12	..	..	7	..	J. Chadwick,	£4
Morecambe (B.)	Yes	..	..	..	20	44	Yes	12	14	885	..	204	..	4260	30	10	..	..	2	..	Several	..	J. W. Watterson,	£5
Mossley (B.) .....	..	..	..	..	39	4	..	..	80	68	..	3	2870	261	152	..	..	1	..	In case of factories, half-cost of connection to sewer	7	..	J. Healey,	£1
Nelson (B.)	Yes	..	..	..	46	56	Yes	..	97	97	..	..	6	2200	8387	..	..	..	..	..	..	..	A. P. Millar,	£1
Newton-in-Makerfield ....	..	..	..	Yes	15	14	..	..	287	420	..	301	2728	768	30	1	..	..	..	Half-cost of privy conversions	6	..	H. E. Watkins,	£10
Norden .....	..	..	..	..	75	..	..	..	15	15	..	91	679	176	26	..	12	6	..	..	11	..	W. H. Bateman,	£30
Ormskirk	Yes	..	..	..	8	..	..	..	36	30	..	523	50	885	14	10	..	..	..	..	20	..	W. Anderton,	£70
Orrell .....	..	..	..	..	13	7	..	..	65	123	..	463	..	353	8	36	..	..	..	..	..	..	K. Fraser,	£60
Oswaldtwistle .....	..	..	..	Yes	76	..	..	..	178	527	..	364	377	285	2472	35	..	..	..	..	4	..	A. E. Townley	£75
Padiham	Yes	..	..	..	14	2	..	..	353	332	..	..	1439	459	1562	..	..	..	..	..	42	..	N. R. Dharmavir,	£60
Poulton-le-Fylde .....	..	..	..	..	7	1	..	..	37	65	..	98	6	530	11	6	..	..	..	..	..	..	J. Anderson,	£25
Preesall .....	..	..	..	..	36	4	..	..	30	28	..	268	125	91	1	..	..	..	..	..	4	..	M. R. Gooding,	£20
Prescot .....	..	..	..	..	6	10	..	..	58	58	..	798	9	1122	..	8	..	..	..	..	..	..	S. M. Green,	£50
Prestwich .....	..	..	..	..	11	16	..	..	96	447	1— Withdrawn	265	92	4011	209	90	9	..	2	..	10	..	F. Stephenson,	£110

DISTRICT.	REFUSE DESTROYERS PROVIDED.	CANAL BOATS.		PUBLIC ABATOIRS PROVIDED.	DAIRIES, COWSHEDS, &C.				NUISANCES.			CLOSET ACCOMMODATION.										SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND SALARY.
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any Arrangement for Veterinary Inspection of Cows.	Samples of Milk Examined for Tubercle.	Notices served.	Nuisances abated.	Legal Proceedings and Result.	Number of				Conversions during 1915.				Council's contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.		
												Privy Middens.	Pail Closets.	Fresh Water Closets.	Waste Water Closets.	Privies to Water Closets.	Privies to Pails, &c.	Pails to Water Closets.	Waste Water Closets to Fresh Water Clos.					
Great Crosby	20	20	When required	..	122	122	1—Order made, with costs	21	5	5032	..	11	..	..	..	When necessary, by agreement	Several	..	J. Huskie,	£1
Great Harwood	Yes	32	..	..	..	Nil.	502	..	120 tanks	36	412	2695	..	..	..	..	Half-cost	18	..	J. Patchett,	£7
Haslingden (B.)	Yes	..	..	..	112	2	..	..	131	168	..	23	1091	396	2042	10	..	19	..	£2 per closet	5	..	F. J. Hindle,	£7
Haydock	12	2	..	..	67	184	..	1452	4	257	1	18	..	..	..	..	..	..	A. Dowling,	£7
Heysham	18	3	..	..	14	14	..	53	4	846	23	..	..	..	..	..	..	..	R. Herd,	£3
Heywood (B.)	Yes	23	..	..	36	3	..	..	525	753	..	744	367	1465	3059	65	..	4	7	..	89	..	H. H. I. Hitchon,	£1
Hindley	33	4	When required	..	471	471	..	1060	1017	1474	19	174	..	18	..	Supply water and connect to drains	..	..	J. Chronnell,	£11
Horwich	37	20	..	..	132	111	1 — With-drawn, to pay costs	60	95	2563	1257	4	..	..	..	Half-cost privies, Whole cost pails	17	..	J. S. Sewell,	£8
Hurst	6	6	..	..	118	118	..	48	6	320	1769	3	..	..	..	£2 per closet	92	..	R. Price,	£4
Huyton-with-Roby	11	..	..	..	10	10	..	346	76	594	..	14	..	..	..	..	..	..	A. W. MacDonald,	£3
Ince-in-Makerfield	28	11	..	8	12	..	..	193	572	1—Order made	2133	54	1338	..	53	..	..	..	..	..	..	J. A. Fletcher,	£10
Irlam	26	..	..	..	88	88	1—Order made	782	144	1087	52	..	..	..	..	Scheme now before L.G.B.	5	..	J. W. Roberts,	£50
Kearsley	6	..	..	..	70	197	..	1324	44	461	156	23	..	..	..	Half-cost	2	..	J. C. Eames	£80
Kirkham	7	..	..	..	119	173	14 ejectments	255	17	502	28	81	..	1	..	..	19	..	C. Court,	£30
Lancaster (B.)	Yes	77	3	Yes	25	77	Yes	..	1563	1511	..	28	123	11780	..	5	..	..	..	..	..	..	J. D. Buchanan, (Including £20 for Port	£29
Lathom and Burscough	15	..	..	8	8	..	..	..	39	..	1213	Few only	279	10	10	..	..	..	..	1	..	J. G. Laing,	£50
Lees	2	..	..	..	4	4	..	2	840	256	60	..	..	..	..	..	..	..	J. Currie,	£45
Leigh (B.)	Yes	58	15	..	60	8	Yes	..	870	298	..	422	5	7781	853	220	..	..	8	One-third cost	82	..	F. Webb,	£350
Leyland	21	..	..	..	61	61	..	834	495	740	..	6	1	1	..	..	..	..	E. Berry,	£50
Litherland	12	8	When required	..	417	485	..	3	10	3346	..	..	..	..	..	..	10	..	T. D. Williams,	£708

[illegible]

TABLE E.—SUMMARY OF SANITARY WORK CARRIED OUT DURING 1915.

DISTRICT.	REFUSE DESTRUCTORS PROVIDED.	CANAL BOATS.		PUBLIC ABATOIRS PROVIDED.	DAIRIES, COWSHEDS, &C.				NUISANCES.			CLOSET ACCOMMODATION.										SMOKE OBSERVATIONS.		MEDICAL OFFICER HEALTH AND SALARY.
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any Arrangement for Veterinary Inspection of Cows.	Samples of Milk Examined for Tubercle.	Notices served.	Nuisances abated.	Legal Proceedings and Result.	Number of				Conversions during 1915.				Council's contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.		
												Privy Middens.	Pail Closets.	Fresh Water Closets.	Waste Water Closets.	Privies to Water Closets.	Privies to Pails, &c.	Pails to Water Closets.	Waste Water Closets to Fresh Water Clos.					
Abram.....	..	53	6	..	23	1	..	..	113	450	..	853	24	429	..	34	1	..	..	Half-cost	..	..	A. O. Bentham,
Accrington (B.)	Yes	..	..	Yes	52	107	Yes	2	334	282	1—Fined 5s.	28	1008	1239	9251	..	..	27	..	Half-cost of pail conversions	Nil	..	A. Greenhalgh,
Adlington .....	..	..	..	..	13	32	..	..	49	49	..	496	5	415	30	59	..	1	..	Water free	Nil	..	W. C. Rigby,
Ashton-in-Makerfield ....	..	..	..	..	41	5	Yes	..	268	953	1—Order made	4	3757	493	25	..	..	..	..	..	Nil	..	H. Winstanley,
Ashton-under-Lyne (B.) ..	Yes	..	..	..	3	108	Yes	..	327	951	1—Order made, with costs	..	12	3129	8014	..	..	..	..	£4 per closet	83	..	J. W. Talent,
Aspull .....	..	..	..	..	‡20	20	..	..	51	51	..	696	42	447	..	26	..	..	..	Connection to sewer	..	..	L. Cooke,
Atherton	Yes	..	..	..	22	21	..	..	25	579	..	84	5	2283	1415	56	..	..	..	Drains laid and water provided	16	..	J. Marsh,
Audenshaw.....	..	..	..	..	11	8	..	..	299	285	..	25	50	642	1381	97	..	12	56	Drains laid	2	..	D. H. Cheetham,
Bacup (B.) .....	..	..	..	..	120	1	When required	..	451	433	..	86	2175	1155	448	34	5	83	1	Half-cost up to £2	10	..	J. Brown,
Barrowford .....	..	3	..	..	35	..	..	..	42	76	..	37	14	165	827	1	..	..	..	..	..	..	F. de B. Pim,
Billinge .....	..	..	..	..	28	..	..	..	38	29	..	604	10	51	..	..	..	..	..	..	..	..	R. O. Mather
Bispham-with-Norbreck ..	*	..	..	..	17	..	..	..	53	52	..	16	6	Over 800	..	..	..	..	..	..	8	..	J. Johnson.
Blackrod .....	..	..	..	..	33	..	..	..	24	24	..	375	23	356	38	29	..	..	..	..	10	..	J. W. Unsworth.
Brierfield .....	..	8	..	..	11	3	..	..	58	90	..	48	50	413	1677	3	4	..	..	..	..	..	J. S. Wilson,
Carnforth .....	..	6	..	..	‡16	2	..	..	..	..	..	242	3	471	53	..	..	..	..	..	..	..	E. S. Jackson,
Chadderton	† Yes	2	..	..	50	16	Yes	..	548	537	..	..	1974	1475	3121	..	..	50 and 117 to w. w.c.'s	..	Half-cost	29	..	J. Wood,
Chorley (B.)	Yes	..	..	Yes	44	2	..	..	2639	2639	..	59	22	7034	989	..	..	..	..	Half-cost	6	..	J. A. Harris.
Church .....	..	6	..	..	5	..	..	..	134	134	..	10	154	257	1498	..	..	25	1	Provide seat and cistern	6	..	J. Craig, H. Armistead (acting).

* Pulverising apparatus provided.

† Closed at present.

‡ Previous year's figure.

§ No claim for repayment of salary.

Whitefield.—The Council's scheme for the erection of 58 artisans' dwellings has been approved by the Local Government Board and the loan sanctioned; after tenders had been obtained, the scheme, owing to the present crisis, was postponed until a more favourable opportunity.

Nuisances abated numbered 43,878, against 55,938 in 1914; notices served 21,890, against 24,492. The respective numbers for each sanitary district are given on Table E appended.

Closet Accommodation.—The number of conversions of privy and pail closets during the year 1915 shows a considerable diminution, as compared with the two preceding years, as will be seen below :—

	1915.		1914.		1913.
Privies converted to					
water closets	... 2,856	...	6,106	...	7,096
Privies converted to					
pail closets	... 219	...	217	...	347
Pail closets converted					
to water closets	759	...	3,098	...	2,881

The action taken in this respect in each district is shown on Table E, and below are given comments of local Medical Officers of Health on this subject :—

Bacup (B.).—I would suggest to the Committee the urgent advisability of considering the question of obtaining a loan, so as to push forward the work of converting the pail closets, wherever possible, to the water-carriage system.

Eccles (B.).—There are only 14 privies still to be dealt with, and, of these, 5 cannot be converted owing to the want of sewers in their vicinity. The total amount of money paid by the Corporation towards the cost of conversion of privies, &c., now amounts to £4,653 15s., of which sum £246 10s. has been paid in respect of conversions of slop-water and trough closets.

Failsworth.—Early in the year application was made to the Local Government Board for sanction to a loan for the conversion of 837 pail closets, for which notices had been served under Section 39 of the Public Health Acts Amendment Act, 1907, but though representation was made that this work was urgently necessary in the interests of public health, the Board refused to sanction a loan or to hold a local enquiry, owing to the restrictions imposed on borrowing, and this very necessary improvement has had to be postponed. I think it is to be particularly regretted that closet conversions have to be held up, for this is an urgently required improvement.

Haslingden (B.).—Owing to the war the conversion of pail closets to water closets has not been so great as in other years, only 19 having been converted, as against 88 in 1914, 59 in 1913, and 158 in 1912.

Irlam.—The Council have a scheme before the Local Government Board for the conversion of all pail closets, privy middens, &c., to water closets, but this is held over until the end of the war.

Leigh (B.).—There is an urgent need for a general substitution of ashbins in place of the old open ashpit, which, in my opinion, is only a slightly lesser evil than the privy midden. The question of the general health of the community, and particularly the infant death-rate from epidemic diarrhoea, is so intimately connected with the sanitary conditions of the households and yards that the sooner privies and ashpits are done away with the better for the residents in the Borough.

Prescot.—The schemes of the Council for converting all the privies in the town into water closets and the making up of a number of back passages are held over until after the war.

Tyldesley-with-Shakerley.—In the early part of the year a letter was received from the Local Government Board, withdrawing sanction to any further money being borrowed for the purpose of privy conversions, and in June the work was stopped and no further conversions have been carried out. One thousand and eighty-three privies have been converted under this scheme in four and a half years, and in fourteen years one thousand eight hundred and eighty-eight have been converted.

Canal Boats.—Examinations under the Canal Boats Acts numbered 949 in 26 districts, and infringements of the requirements 116; in 1914 these totals were respectively 1,137 and 129. The details are given on Table E, page lxi.

Slaughter-houses.—Public abattoirs have been provided in 12 County districts, as shown on Table E. Private slaughter-houses, in many instances, are structurally defective and in unsuitable situations, often quite close to dwelling-houses.

The following comments are extracted from district reports :—

Bacup (B.).—As the slaughter-houses are scattered all over the Borough, and as slaughtering is done at different times, anything meriting the name of inspection of the carcasses slaughtered cannot be adequately carried out. In connection with this point, I should suggest to the Committee the desirability of an early consideration of the question as to the provision of a public abattoir.

Droylsden.—For slaughtering on unlicensed premises legal proceedings were instituted against four defendants, fines and costs amounting to £6 14s. being inflicted.

Leigh (B.).—The existence of so many private slaughter houses, situated in various parts of the Borough, makes it an impossibility for meat to be adequately inspected.

Mossley (B.).—Several of the buildings are small, very old, and in close proximity to dwelling-houses ; their replacement by a public abattoir is one of the chief sanitary requirements of the district.

Nelson (B.).—The condition of the majority of the slaughter-houses is not all that could be desired. The erection of a public abattoir is deferred until after the war.

Ramsbottom.—The slaughter-houses are situated widely apart from one another, and under these circumstances efficient meat inspection is rendered difficult to carry out.

Food Inspection.—The following statement gives, approximately, the amount of unsound or diseased food seized and destroyed during 1915, viz. :—

17 carcasses of cows, 2 calves, 15 sheep, 13 pigs.

Carcases or parts of carcasses condemned for tuberculosis 217.

Beef 6,466 lbs., mutton 423 lbs., pork 755 lbs.

Fish 3,313 lbs., fruit 6,500 lbs., vegetables 2,853 lbs.

Rabbits 110, eggs 3,060, miscellaneous foods 5,842 lbs.

Legal proceedings instituted for exposing for sale food unfit for human consumption resulted as follows :—Accrington (B.), £10 and costs ; Ashton-under-Lyne (B.), 3 cases, fines and costs £8 12s. 6d. ; Oswaldtwistle, £20 and costs ; Swinton and Pendlebury, £20 and £2 2s. costs ; Blackburn (R.), £10 5s., &c.

Premises in which food is prepared for human consumption are often found to be very unsatisfactory, and the Public Health and Housing Committee of the County Council in July, 1915, passed a resolution urging the Local Government Board to consider the advisability of giving public bodies powers over such premises, and expressed the opinion that all places used for the preparation for sale of meat and other food stuffs intended for human consumption should be licensed and required to comply with specified bye-laws or regulations.

The following comments on this matter are made by district Medical Officers of Health :—

Bacup (B.).—Some of the places used for the preparation of food are not suitable for the work carried on. I consider it is of the greatest importance that all food-stuffs should be prepared under the most hygienic conditions possible.

Leigh. (B.).—The whole question of food and its preparation should be taken in hand by the State and proper regulations instituted. The question of food poisoning is an urgent matter, and needs to be dealt with ; it is much more serious and extensive than it is thought to be. The time is quite ripe for the whole question of food supplies, food preparation, and food inspection to be considered, and proper regulations formulated.

In June an outbreak of food poisoning occurred at Bacup (B.), due to the consumption of cooked pork, 66 persons being attacked.

Dairies, Cowsheds, and Milkshops. — Regulations under the Dairies, Cowsheds, and Milkshops Order, 1885, have been adopted in all districts in the Administrative County, with the exception of Little Crosby, where there are only two cowkeepers. The approximate number of cowkeepers and purveyors of milk in each district is given in Table E, page lxi.

A number of Authorities (see Table E) have made arrangements for the regular or periodical inspection of cattle by a Veterinary Surgeon.

The Milk and Dairies Act, 1914, which was intended to become operative on the 1st January, 1915, was by Act of Parliament, 2nd July, 1915, postponed until such date, not being later than the expiration of one year after the termination of the present war, as the Local Government Board may by Order appoint.

The following notes respecting dairies and cowsheds are abstracted from district reports :—

Darwen (B.).—Until cows are groomed as carefully as are horses in the best stables, we shall not see our cowsheds in that sanitary state of cleanliness necessary for the production and supply of a pure milk. The two must go together.

Leigh (B.).—It was the exception to find any steps taken to groom the cows before milking, and in many cases the personal cleanliness of the milkers, particularly of the hands, was apparently not thought about. Many of the dairies attached to the farms visited were of a poor type and not suitable for the purpose.

Middleton (B.).—There is an improvement in the cleanliness of the cattle, but there is room for further improvement. Cowkeepers are still very reluctant to provide proper ventilation for their cowsheds, and if the cattle are to be kept healthy it is necessary for them to be provided with a sufficient quantity of fresh air during the time they are confined to the shippens.

Royton.—The Veterinary Inspector reports that the conditions under which cattle are kept are much improved.

St. Annes-on-the-Sea.—A Veterinary Inspector has made quarterly inspections of all cattle on farms within the district, examining on an average about 330 cattle at each inspection. His examinations have been carried out with the object of detecting any departure from health in the cattle, or defect in their management or surroundings likely to affect the purity of the milk.

Turton.—The measures for the prevention of fouling during the milking process, the proper grooming of the cows, the personal cleanliness and clothing of the milkers are still very inadequate, and demand consideration with a view to regulation and control.

Ulverston.—Cowsheds may be characterised as good, indifferent, and bad ; few are really up to date and good, some are indifferent, and many are bad, but under the existing state of law it is difficult to conceive how any material alteration is going to be made in their condition.

Ulverston (R.).—Very few are really good, some are moderate, but the majority are bad, and there is apparently little hope, under existing circumstances, of seeing them placed in a better condition.

Whiston (R.).—The chief fault is usually found in the condition of the cows, which are not groomed as they should be. At one farm, where 65 cows are kept, the animals were found in a very dirty condition, even the udders and teats being soiled with filth. There was, apparently, no idea of either washing, brushing, or wiping the animals before milking.

BACTERIOLOGICAL EXAMINATION OF MILK.—Eight Medical Officers of Health report that 97 samples of milk were submitted for bacteriological examination, see Table E, page lxi. At Waterloo-with-Seaforth three samples were found to contain the tubercle bacilli, and a similar result was obtained as regards one sample from Whitefield.

Smoke Observations. — Table E shows that smoke observations—taken in 67 districts—numbered 1,965, as compared with 2,857 in the year 1914. Legal proceedings were instituted in 20 cases.

Scavenging and Refuse Removal.—The following notes with regard to scavenging and the disposal of refuse are extracted from the district reports :—

Padiham.—On account of the difficulty experienced in disposing of the nightsoil, a chute is being constructed and connected to the main sewer. It is proposed to deposit the

whole of the nightsoil into the chute for treatment at the sewage works. It is hoped that the long experienced difficulty in the disposal of nightsoil, and the inevitable nuisance resulting therefrom, will completely disappear.

Tottington.—This work is done by contractors, and has not been satisfactorily performed. The only way to obviate the difficulty is for the Council to undertake the work by employing its own men and teams.

Westhoughton.—The amended scheme for dealing with the refuse by means of a pulverising plant has been approved by the Local Government Board, but owing to the war it has not been possible to proceed with the work, although the plant is much needed, as there is very great difficulty in obtaining suitable tips for the refuse.

Worsley.—For the first time the work of scavenging in Worsley Ward was undertaken by the Council. The work progressed very efficiently, and was found to be much more satisfactory than contract work.

Barton-upon-Irwell (R.).—The removal and disposal of domestic refuse in this township is carried out under contracts. During the past year the work has not been at all satisfactory, and the Committee decided, for the present year (1916), to alter the system, by contracting for team labour, and providing their own manual labour.

Leigh (R.).—The unsatisfactory system still exists of the individual tenants making arrangements for the emptying and removal of the contents of the privies. If the Council undertook this work, it would be done more frequently and at regular intervals, and this would, no doubt, conduce to an improvement in the health of the district.

REFUSE DESTRUCTORS.—In 30 districts, as shown on Table E, page lxi., refuse destructors have been provided.

At Crompton and Widnes (B.) the plant was completed and brought into use during the year under report, and at Bispham-with-Norbreck a dust manipulator or pulveriser has been erected. Owing to difficulties in dealing with refuse, the provision of a destructor is advocated at Denton, Milnrow, and Prestwich. At Failsworth and Oswaldtwistle land for this purpose has been acquired.

House Drainage, Sewerage, and Sewage Disposal.—The following notes regarding sewerage and sewage disposal are extracted from the reports of local Medical Officers of Health :—

Dalton-in-Furness.—The outfall at the Lots, Askam, was a source of continual complaint, and to obviate this a new storage tank has been constructed, which is discharged at such times as the tides are favourable. In my report for the year 1914, I mentioned that plans and estimates had been submitted, and land purchased for the provision of a more satisfactory outfall for the sewage from the village of Newton. I am pleased now to state that the work is well in hand.

Haydock.—The new sewage scheme, including new sewers and disposal works, were completed in April.

Preesall.—I have pleasure in reporting that the scheme for dealing with the sewage of Preesall Village has been carried out, and that it is working very satisfactorily. It consists of a large tank (of eight communicating chambers), the total capacity being 11,000 gallons, and is capable of dealing with a much increased volume of sewage than that at present existing, and will, eventually, take in the whole village sewage. Provision can easily be made for a filter if this should be found necessary.

Ulverston.—It is hoped that the postponement of new sewer and outfall will not be prolonged, as the condition of the sewers in the low-lying parts of the district is a distinct menace to health.

Fylde (R.).—The provision of a sewer for Vicarage Lane, Marton, which has been in agitation for several years, has at last been carried out.

Ulverston (R.).—The Council should deal effectively with the drainage of Lindale with as little delay as possible.

The following Areas or Townships are reported by district Medical Officers of Health as being without proper drainage system :—

Haydock.—Two small areas, viz., Juddfield Brow and the lower end of Blackbrook Road, containing respectively 25 and 43 houses.

Hindley.—Part of Platt Bridge.

Radcliffe.—About 93 houses in Starling district without proper drainage. Tenders obtained and contractor's plant deposited, but execution of works postponed by request of Local Government Board.

Swinton and Pendlebury.—District comprising 40 houses at Langley Road, Pendlebury, without drainage system; sewage conveyed to cesspools having overflows discharging into river.

Tottington.—Greenmount and Hawkshaw districts.

Tyldesley-with-Shakerley.—Thirty houses at Parr Brow.

Barton-upon-Irwell (R.).—Portion of Davyhulme.

Burnley (R.).—Townships of Wheatley Lane and Higham. Scheme in course of preparation for Wheatley Lane.

Garstang (R.).—Many Townships are without proper drainage arrangements; some require schemes.

Lunesdale (R.).—Over Kellet; action suspended until after the war.

Drain Testing, &c.—Special references to testing of house drains, and sanitary fittings are made in the reports from Great Crosby, Stretford, Waterloo-with-Seaforth, &c. The value of such tests is shown by the following :—

Stretford.—To the drains of old property 477 tests have been applied, revealing 248 defects ; had no test been made, 52 per cent. of such conduits would have remained a menace to health. In the case of sanitary fittings, 44·4 per cent. would have been a danger to health had the sanitary officials been satisfied with simply looking at and examining such conveniences. The tests applied to drains and sanitary fittings of new property showed (from various causes) 44·2 per cent. of the former and 39·6 per cent. of the latter to be defective, but it is only fair to point out that many of the contributing factors were due to defects in the materials, and which could only be detected on the application of a suitable test.

Waterloo-with-Seaforth.—The smoke testing machine has been applied 212 times to house and school drains, and a large number of defects were found. In 2,293 instances drains were found to be in a choked condition ; 2,190 were cleared by the flushers at time of visit. During the year 6,482 intercepting traps were flushed ; 110 were found to be choked.

Water Supply.—The following paragraphs are extracted from district reports :—

Dalton-in-Furness.—The pressing need for a supply of water, by gravitation, to dwellings, known as Dendron Road, Green Lane, Tithebarn, Minnikin Hall, and Longlands was emphasized during the period of drought when it was found necessary for the Council to cart water from the main in Station Road for the supply of these houses.

Fulwood.—The Council are earnestly considering the question of an increased water supply. The sooner some other source for increasing the present supply or impoundage, the better it will be for the district.

Prescot.—A scheme has been approved, and it is expected will shortly be carried through for providing a better water supply to premises near the outskirts of the southern and south-eastern portion of the district.

Upholland.—To place the district in a more satisfactory position in this respect the Council have secured a lease of a source of supply, which as regards quality and quantity has proved to be highly satisfactory. The Council are at present preparing a scheme for submission to the Local Government Board.

Burnley (R.).—Goldshaw Booth and Roughlee Booth have no systematic supply at present.

Clitheroe (R.).—There are several small districts and farms where the supply is not satisfactory and to which attention must be directed. I may mention particularly Coldcoates Farm, Chipping, and Lane Side Farm, Little Mytton, which are entirely dependent on wells of very inferior quality. The group of houses at Higher Hodder Bridge rely on an open stream, subject to any and every form of pollution for their supply; also four cottages at Sands Fold, Whalley, are dependent for their water on a well which is similarly liable to pollution. A supply to the last named could easily be obtained from the public supply.

Ulverston (R.).—It is hoped the Divisional Committee will, as early as possible, devote their attention to the subject of a supply of water for Greenodd and Pennybridge, which becomes increasingly necessary owing to the influx of visitors during the summer months.

Whiston (R.).—Although the water main runs across the end of the road, there are several cottages, in Saddler's Lane, Ecclestone, which have no supply, except from wells, which are liable to contamination.

Shops Acts, 1912 and 1913.—During the year 1915, only two applications for Orders under these Acts were received, viz. (1) to fix the day of the weekly half-holiday, and (2) to fix the hours of closing on the several days of the week.

The statutory enquiries into each application were made by Mr. J. E. Gee, of the County Public Health Department, who holds the appointment of County Inspector, and reports were presented thereon to the Public Health and Housing Committee.

Several contraventions of Orders in force were dealt with ; in 4 instances legal proceedings were instituted.

Midwives Act, 1902.—During the year 1915 the names of 71 midwives were added to the County Register, and 57 were removed therefrom for the following reasons :—2 midwives (A.W. and M.M.) were struck off the Roll at the instigation of the County Midwives Act Committee for negligence or misconduct, 1 midwife (J.C.) was removed from the Roll for offences committed in a County Borough, 1 (J.C.) voluntarily surrendered her certificate, 35 left the County area, and 18 died.

These changes left on the County Register on the 31st December, 1915, 946 midwives with qualifications as under :—

Obstetrical Society of London	...	...	59
Coombe Lying-in Hospital and Guinness'			
Dispensary, Dublin	...	...	3
Rotunda Hospital, Dublin	...	...	1
Liverpool Ladies' Charity and Lying-in			
Hospital	...	...	35
St. Mary's Hospitals, Manchester	...		53
Glasgow Maternity Hospital	...	...	1
Cork Lying-in Hospital, Cork	...	...	1
National Maternity Hospital, Dublin	...		1

Certificate (by Examination) of Central				
Midwives Board	...	...	...	260
In <i>bonâ-fide</i> practice, July, 1901...	...	...	...	511
Under Rule B (2), 1910	...	...	...	21
Total				946

Of the 946 midwives enumerated above, 767 were practising at the end of the year, and 179 had temporarily ceased to act, but may recommence at any time.

The number of *bonâ fide*, or untrained midwives, has been reduced by forty per cent. since 1905, when there were 880 such women on the County Register.

The following table shows the number of Records, &c., received during the year 1915 compared with preceding years :—

	1915.	1914.	1913.	1912.	1911.
Records of sending for medical help	2391	2612	2419	2226	2068
Still-births M. 225 F. 167	392	498	440	456	514
Deaths of mother or child before the at- tendance of a medical practitioner Mother Child	35	59	58	56	45

The number of still-births, and deaths of mother or child before the attendance of a medical practitioner, reported by midwives during the year 1915 show a gratifying reduction, being below any recorded since the Midwives Act became fully operative.

The following table analyses the causes for which medical assistance was obtained in the year 1915:—

	Quarter ended.				Year 1915.
	Mar. 31.	June 30.	Sep. 30.	Dec. 31.	
<i>Pregnancy.</i>					
Abortions, miscarriages	18	20	23	14	75
Deformed pelvis.....	3	1	3	4	11
Loss of blood .....	..	..	2	3	5
Other abnormalities or complications ..	..	..	..	..	..
<i>Labour.</i>					
Unusual presentations.....	58	60	58	61	237
Ante-partum hæmorrhage	5	17	9	10	41
Post-partum hæmorrhage	13	12	10	13	48
Retained placenta or membranes.....	17	12	12	9	50
Adherent placenta.....	23	13	11	18	65
Ruptured perinæum	93	110	84	80	367
Obstructed labour, uterine inertia, or requiring instrumental assistance ..	189	160	165	173	687
Convulsions .....	..	..	..	..	..
Premature labour	29	27	16	30	102
Other complications	2	7	11	5	25
<i>Lying-in.</i>					
Abdominal swelling .....	..	1	..	..	1
Offensive lochia	1	..	..	..	1
Rigor .....	..	..	3	..	3
Rise of temperature above 100·4° F.....	19	22	16	19	76
Unusual swelling of breasts.....	..	..	..	..	..
Secondary post-partum hæmorrhage	1	..	..	..	1
White leg .....	..	..	..	2	2
Unsatisfactory progress or other com- plications	36	42	32	24	134
<i>Newly Born Child.</i>					
Injuries received during birth .....	..	2	..	..	2
Malformations or deformities	11	11	13	10	45
Dangerous feebleness	50	40	28	28	146
Inflammation of eyes or eyelids	54	47	40	43	184
Serious skin eruptions .....	..	..	1	2	3
Inflammation about the umbilicus .....	..	..	..	..	..
Other complications	28	21	13	18	80
Total.....	650	625	550	566	2391

PUERPERAL FEVER.—The total number of cases of puerperal fever reported during 1915 in connection with the administration of the Midwives Act was the lowest recorded since the operation of the Act.

The table below contrasts 1915 with the preceding five years :—

	Cases.		Deaths.		Case Mortality.		Attack Rate per 1,000 births.
1915.....	93	...	31	...	33·3	...	2·68
1914.....	145	...	53	...	36·3	...	3·76
1913.....	105	...	46	...	41·8	...	2·83
1912.....	126	...	45	...	35·4	...	3·30
1911.....	119	...	45	...	37·1	...	3·04
1910.....	100	...	30	...	30·0	...	2·47

The number of deaths given annually under this heading usually differ slightly from the totals ascertained from district Medical Officers' quarterly and annual statistics, the apparent discrepancy being due, mainly, to the system of transferable deaths in vogue.

In the following statement the notified cases are classified, distinguishing those in which midwives were concerned :—

	1915.				1914.		
	Cases.	Deaths.	Mortality rate per cent.		Cases.	Deaths.	Mortality rate per cent.
Cases attended at child-birth solely by certified midwives	51	.. 17	.. 33·3		77	.. 29	.. 37·6
Cases in which midwives acted as nurses under the supervision of medical practitioners	18	.. 10	.. 55·5		29	.. 14	.. 48·2
Cases in which certified midwives were not in attendance	24	.. 4	.. 16·6		39	.. 10	.. 25·5

Following the practice of previous years, investigation was made into each case of puerperal fever which occurred in the practice of a midwife. In addition, special enquiries were made into all cases of rigor and rise of temperature; these, in 1915, numbered 79, as compared with 125 in 1914.

CHARGES OF NEGLIGENCE, MISCONDUCT, &C.—As a result of the enquiries into puerperal fever cases, it was found that 18 midwives had contravened the Rules, or been negligent in some respect. Full details of the offences were reported to the Midwives Act Committee. In 3 cases the midwives were reported to the Central Midwives Board, and their names were subsequently (one, M.E.K., in 1916) struck off the Roll ; 3 were severely censured, and 12 were cautioned.

Thirty-four midwives were reported to the Committee for failure to comply with the requirements in cases of ophthalmia neonatorum. In 1 case the midwife attended before the Committee and was severely censured ; the remainder were cautioned by letter.

Eleven other midwives were dealt with on account of negligence or misconduct in connection with their practice ; in 3 instances the midwives were severely censured ; in 7 cases cautions were administered, and in 1 case it was not considered necessary to take any action.

For minor offences a large number of midwives were cautioned either by letter from the Public Health Department, or verbally by the Inspector.

OPHTHALMIA NEONATORUM.—Under the Public Health (Ophthalmia Neonatorum) Regulations, and by means of medical help records forwarded by midwives, 320 cases of inflammation of, or discharge from, the eyes were reported, and every case occurring in the practice of a certified midwife was investigated. In 1914 the cases notified numbered 389. As stated under the head of offences, 34 midwives in 1915 failed to carry out their duty regarding these cases.

Sale of Food and Drugs Acts.—The County Analyst (Mr. W. Collingwood Williams, B.Sc.), in his report for the year 1915, states that 5,041 samples submitted to him under

the Sale of Food and Drugs Acts were analysed. Of these, 4,816 were taken by the County Police and 222 by Officers of Local Authorities. Last year the total samples numbered 5,018.

Of the samples submitted by the Police, 465, or 9·65 per cent. were “adulterated or not up to standard.”

Table F appended gives details of the articles examined and the number of adulterations in each group.

Prosecutions were instituted in 83 instances, and the results are shown on Table G appended.

TABLE (F) GIVING DETAILS OF THE SAMPLES TAKEN IN THE ADMINISTRATIVE COUNTY
DURING 1915.

DIVISION.	Milk.		Butter.		Margarine.		Coffee.		Spices and Condiments		Spirits.		Drugs.		Other Articles.		Totals.		Percentage of Adulterated Samples.
	*	†	*	†	*	†	*	†	*	†	*	†	*	†	*	†	*	†	
Lonsdale North ...	44	2	18	...	...	...	11	...	10	1	12	1	...	...	23	...	118	4	3.4
Lonsdale South ...	46	5	17	1	1	...	6	...	6	...	9	1	...	...	20	1	105	8	7.4
Garstang	49	6	13	...	...	...	2	...	3	1	...	...	...	...	18	...	85	7	8.2
Kirkham	78	13	23	...	...	...	20	...	23	2	25	...	...	...	15	...	184	15	8.1
Blackburn Lower	126	15	12	...	20	...	4	...	13	...	12	...	...	...	53	...	240	15	6.2
Blackburn Higher	158	17	34	...	12	1	17	3	15	1	43	8	25	6	36	...	340	36	10.6
Church	94	10	14	...	9	...	8	...	8	...	16	...	8	3	22	2	179	15	8.4
Rossendale	111	8	3	...	3	...	3	...	6	...	3	...	...	...	18	...	147	8	5.4
Leyland	147	15	26	1	6	...	13	...	30	3	5	1	1	...	60	...	288	20	7.0
Bolton	120	12	62	...	15	...	28	...	14	3	21	1	2	...	32	...	294	16	5.4
Bury	142	7	28	...	25	...	9	...	22	1	9	...	...	...	40	1	275	9	3.3
Rochdale	231	23	122	1	20	...	4	...	4	...	...	...	...	...	15	...	396	24	6.0
Ashton-under-Lyne	116	13	15	...	2	...	21	1	15	3	26	5	...	...	35	2	230	24	10.4
Manchester	276	42	109	1	20	...	22	1	35	4	12	1	29	4	60	7	563	60	10.6
Seaforth	279	120	3	...	7	...	...	...	3	1	4	...	...	...	4	...	300	121	40.3
Ormskirk	59	2	27	...	1	...	12	...	21	1	...	...	...	...	14	1	134	4	3.0
Prescot	64	4	10	...	7	...	1	...	4	...	2	...	...	...	11	...	99	4	4.0
Widnes	88	13	6	...	1	...	3	...	8	...	13	1	...	...	11	...	130	14	10.8
Warrington	240	35	20	...	15	...	17	...	33	1	...	...	...	...	21	...	346	36	10.4
Wigan	120	3	13	1	14	...	45	...	46	1	14	3	54	12	57	5	363	25	6.9
County Police	2588	365	575	5	178	1	246	5	319	23	226	22	119	25	565	19	4816	465	9.65
Local Authorities	152	12	5	1	1	...	11	1	16	1	...	...	7	...	30	2	222	17	7.65
Other Purchasers	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	3	...	
Totals ...	2742	377	580	6	180	1	257	6	335 (a)	24	226 (b)	22	126 (c)	25	595 (d)	21	5041	482	
Percentage of Adulteration	13.75		1.03		0.55		2.33		7.16		9.73		19.84		3.53		...		9.56

* Samples. † Adulterated.

The 222 samples taken by Officers of Local Authorities include—Boroughs of Middleton 69, and Nelson 17; Urban District Councils of Atherton 24, Stretford 80, and Westhoughton 32.

(a) Pepper 216, Ginger 58, Mustard 27, Vinegar 27, Pickles 4, Sauce 2, Allspice 1; total 335.

(b) Whiskey 151, Rum 59, Gin 16; total 226.

(c) Ammonium Carbonate 23, Purified Borax 23, Tartaric Acid 20, Sodium Bicarbonate 15, Potassium Bromide 15, Sodium Potassium Tartrate 11, Cream of Tartar 4, Glycerine 3, Castor Oil 3, Salt of Tartar 2, Crushed Linseed 2, Boracic Acid 1, Camphorated Oil 1, Liquorice Powder 1, Potassium Bi-Tartrate 1, Potassium Tartrate 1; total 126.

(d) Arrowroot 16, Baking Powder 11, Barley 7, Beef Pies 2, Beer 8, Bread 2, Buttermilk 2, Cheese 43, Cocoa 41, Chicken and Tongue 1, Condensed Milk 1, Corn Flour 2, Cream 4, Flour 12, Ground Almonds 12, Honey 4, Jam 43, Lard 245, Lemon Cheese 1, Lime Fruit Cordial 1, Marmalade 1, Oatmeal 12, Olive Oil 1, Picked Shrimps 1, Potted Shrimps 3, Potted Lobster 1, Potted Meat 9, Rice 15, Salmon and Shrimp Paste 1, Sago 5, Sausages 3, Self-raising Flour 3, Sugar 15, Sweets 3, Syrup 4, Tapioca 5, Tea 42, Tinned Apricots 3, Treacle 3, Yeast 7; total 595.

TABLE (G) SHOWING THE NUMBER OF LEGAL PROCEEDINGS TAKEN IN THE ADMINISTRATIVE COUNTY UNDER THE SALE OF FOOD AND DRUGS ACTS AND MILK AND CREAM REGULATIONS, ARISING OUT OF SAMPLES PURCHASED, AND OTHERWISE, DURING THE YEAR 1915, WITH THE RESPECTIVE RESULTS.

DIVISION.			Number of Samples reported as offences.	Additional Offences.	Number of Prosecutions.	Number Convicted or Ordered to Pay Costs.	Number Withdrawn.	Number of Dismissals.		Number of cases in which no Legal Proceedings were taken.	Fines and Costs.
								On Warranty.	For other reasons.		
Lonsdale North	...	...	2	...	2	2	...	...	...	...	£ s. d. 4 0 0
Lonsdale South	...	...	2	...	2	2	...	...	...	...	5 3 0
Garstang	...	...	1	...	1	...	...	...	1	...	[£2 2s. Costs against County]
Kirkham	...	...	2	...	2	2	...	...	...	...	5 18 6
Blackburn Lower	...	...	4	...	4	4	...	...	...	...	13 8 10
Blackburn Higher	...	...	13	...	11	7	3	...	1	2	13 12 7½
Church ...	...	...	2	...	1	1	...	...	...	1	4 9 0
Rossendale	...	...	1	...	1	...	...	...	1	...	Nil
Leyland...	...	...	1	...	1	...	...	...	1	...	Nil
Bolton ...	...	...	2	...	2	2	...	...	...	...	21 12 11
Bury ...	...	...	...	...	...	...	...	...	...	...	Nil
Rochdale	...	...	10	...	8	6	1	...	1	2	22 16 0
Ashton-under-Lyne	...	...	8	...	5	5	...	...	...	3	8 8 5
Manchester	...	...	17	1	13	11	1	1	...	5	14 19 0
Seaforth	...	...	20	...	10	3	1	...	6	10	4 7 4
Ormskirk	...	...	3	2	4	3	...	1	...	1	5 8 6
Prescot ...	...	...	...	...	...	...	...	...	...	...	Nil
Widnes ...	...	...	3	...	2	2	...	...	...	1	15 17 2
Warrington	...	...	9	...	7	4	3	...	...	2	39 0 4
Wigan ...	...	...	5	1	4	2	2	...	...	2	6 6 9
County Police ...	...	...	105	4	80	56	11	2	11	29	185 8 4½
Local Authorities	...	...	5	...	3	...	2	...	1	2	1 12 2
Totals...	...	...	110	4	83	56	13	2	12	31	187 0 6½

BIRTH AND DEATH RATES
OF THE
URBAN AND RURAL DISTRICTS
FOR THE YEAR 1915

COMPARED WITH THE RATES FOR THE YEAR 1914, AND WITH
THE MEAN OF THE 10 YEARS 1905-1914.

URBAN DISTRICTS.

Abram.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate	
1915.....	26·1	17·9	4·71	0·88	175
1914.....	29·7	15·0	1·66	1·25	112
Mean of 10 years					
1905-1914	29·9	14·1	2·12	0·58	129
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·6	+2·9	+3·05	—0·37	+63
<i>Ten Years' Average</i>	—3·8	+3·8	+2·59	+0·30	+46

Accrington (Borough).—

1915.....	16·4	15·0	0·72	1·20	103
1914.....	19·3	13·9	1·44	0·87	117
Mean of 10 years					
1905-1914	20·1	13·8	1·20	0·79	123
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·9	+1·1	—0·72	+0·33	—14
<i>Ten Years' Average</i>	—3·7	+1·2	—0·48	+0·41	—20

Adlington.—

1915.....	20·2	11·3	nil.	0·67	86
1914.....	22·1	10·6	0·21	0·65	39
Mean of 10 years					
1905-1914	24·5	11·3	0·94	0·75	89
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·9	+0·7	—0·21	+0·02	+47
<i>Ten Years' Average</i>	—4·3	nil.	—0·94	—0·08	—3

Ashton-in-Makerfield.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	26·8	17·7	4·51	0·36	157
1914.....	30·5	13·1	1·19	0·44	109
Mean of 10 years 1905-1914	31·8	14·5	2·40	0·69	143
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·7	+4·6	+3·32	—0·08	+48
<i>Ten Years' Average</i>	—5·0	+3·2	+2·11	—0·33	+14

Ashton-under-Lyne (Borough).—

1915.....	19·9	19·3	1·70	1·43	169
1914.....	23·3	18·5	3·40	1·21	186
Mean of 10 years 1905-1914	24·5	17·7	2·12	1·35	165
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·4	+0·8	—1·70	+0·22	—17
<i>Ten Years' Average</i>	—4·6	+1·6	—0·42	+0·08	+4

Aspull.—

1915.....	24·6	17·4	5·09	0·89	171
1914.....	28·1	14·4	1·57	0·48	81
Mean of 10 years 1905-1914	32·1	16·2	2·86	0·54	149
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·5	+3·0	+3·52	+0·41	+90
<i>Ten Years' Average</i>	—7·5	+1·2	+2·23	+0·35	+22

Atherton.—

	PER OF 1,000 POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	23·6	13·1	1·67	0·94	103
1914.....	27·1	13·0	1·95	1·31	109
Mean of 10 years					
1905-1914	28·0	13·8	2·26	0·96	138
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·5	+0·1	—0·28	—0·37	—6
<i>Ten Years' Average</i>	—4·4	—0·7	—0·59	—0·02	—35

Audenshaw.—

1915.....	18·9	17·4	2·31	0·90	127.
1914.....	22·4	13·6	1·57	0·48	134
Mean of 10 years					
1905-1914	23·3	13·9	1·52	0·87	145
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·5	+3·8	+0·74	—0·42	—7
<i>Ten Years' Average</i>	—4·4	+3·5	+0·79	+0·03	—18

Bacup (Borough).—

1915.....	16·9	16·9	0·70	0·89	99
1914.....	18·7	17·9	1·24	1·20	125
Mean of 10 years					
1905-1914	20·2	15·8	1·01	0·89	115
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·8	—1·0	—0·54	—0·31	—26
<i>Ten Years' Average</i>	—3·3	+1·1	—0·31	nil.	—16

Barrowford.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	15.5	11.3	0.52	0.52	55
1914.....	19.6	15.1	2.75	0.34	157
Mean of 10 years 1905-1914	21.3	12.8	1.33	0.67	130
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—4.1	—3.8	—2.23	+0.18	—102
<i>Ten Years' Average</i>	—5.8	—1.5	—0.81	—0.15	—75

Billinge.—

1915.....	22.1	16.9	1.30	1.30	133
1914.....	27.8	18.5	1.58	0.79	127
Mean of 10 years 1905-1914	29.4	13.7	1.38	0.56	116
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—5.7	—1.6	—0.28	+0.51	+6
<i>Ten Years' Average</i>	—7.3	+3.2	—0.08	+0.74	+17

Bispham-with-Norbreck.—

1915.....	9.8	14.8	nil.	nil.	nil.
1914.....	8.7	13.3	nil.	0.35	40
Mean of 10 years 1905-1914	15.8	14.6	0.56	0.54	79
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+1.1	+1.5	nil.	—0.35	—40
<i>Ten Years' Average</i>	—6.0	+0.2	—0.56	—0.54	—79

Blackrod.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	23·9	13·9	2·13	0·26	125
1914.....	22·4	12·2	0·49	0·49	111
Mean of 10 years					
1905-1914	27·1	13·3	1·51	0·55	123
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+1·5	+1·7	+1·64	—0·23	+14
<i>Ten Years' Average</i>	—3·2	+0·6	+0·62	—0·29	+2

Brierfield.—

1915.....	15·6	14·1	0·96	1·69	70
1914.....	20·0	12·8	1·31	0·65	93
Mean of 10 years					
1905-1914	20·9	12·6	1·37	0·98	133
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—4·4	+1·3	—0·35	+1·04	—23
<i>Ten Years' Average</i>	—5·3	+1·5	—0·41	+0·71	—63

Carnforth.—

1915.....	21·9	12·5	1·32	nil.	57
1914.....	22·9	14·3	0·31	0·63	69
Mean of 10 years					
1905-1914	22·2	11·9	0·50	0·65	92
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·0	—1·8	+1·01	—0·63	—12
<i>Ten Years' Average</i>	—0·3	+0·6	+0·82	—0·65	—35

Chadderton.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	22·1	15·4	1·43	0·78	123
1914.....	24·1	15·1	1·79	1·05	101
Mean of 10 years					
1905-1914	26·6	16·5	1·71	1·22	131
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·0	+0·3	—0·36	—0·27	+22
<i>Ten Years' Average</i>	—4·5	—1·1	—0·28	—0·44	—8

Chorley (Borough).—

1915.....	22·3	16·1	0·86	1·03	132
1914.....	24·0	15·3	2·38	0·73	149
Mean of 10 years					
1905-1914	24·9	15·3	1·51	0·89	143
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·7	+0·8	—1·52	+0·30	—17
<i>Ten Years' Average</i>	—2·6	+0·8	—0·65	+0·14	—11

Church.—

1915.....	16·3	15·6	0·61	1·07	86
1914.....	19·2	15·6	1·41	0·85	147
Mean of 10 years					
1905-1914	21·9	15·5	1·34	0·80	144
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·9	nil.	—0·80	+0·22	—61
<i>Ten Years' Average</i>	—5·6	+0·1	—0·73	+0·27	—58

Clayton-le-Moors.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	18.3	17.1	1.38	0.69	195
1914.....	23.0	14.6	1.73	0.97	117
Mean of 10 years 1905-1914	24.8	14.3	1.46	0.79	132
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—4.7	+2.5	—0.35	—0.28	+78
<i>Ten Years' Average</i>	—6.5	+2.8	—0.08	—0.10	+63

Clitheroe (Borough).—

1915.....	17.5	14.9	0.83	1.08	88
1914.....	20.3	11.8	0.62	0.54	107
Mean of 10 years 1905-1914	21.7	13.6	0.78	0.97	107
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.8	+3.1	+0.21	+0.54	—19
<i>Ten Years' Average</i>	—4.2	+1.3	+0.05	+0.11	—19

Colne (Borough).—

1915.....	15.4	14.3	1.10	1.18	115
1914.....	17.8	13.7	1.31	0.91	116
Mean of 10 years 1905-1914	21.3	13.8	1.62	0.89	134
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.4	+0.6	—0.21	+0.27	—1
<i>Ten Years' Average</i>	—5.9	+0.5	—0.52	+0.29	—19

Crompton.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	19·0	14·4	0·68	0·61	123
1914.....	19·4	15·0	1·37	1·04	127
Mean of 10 years					
1905-1914	21·9	15·4	1·51	0·87	134
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—0·4	—0·6	—0·69	—0·43	—4
<i>Ten Years' Average</i>	—2·9	—1·0	—0·83	—0·26	—11

Croston.—

1915.....	18·0	8·2	nil.	nil.	nil.
1914.....	20·9	10·2	0·97	nil.	46
Mean of 10 years					
1905-1914	19·3	12·0	1·04	0·84	93
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·9	—2·0	—0·97	nil.	—46
<i>Ten Years' Average</i>	—1·3	—3·8	—1·04	—0·84	—93

Dalton-in-Furness.—

1915.....	25·2	15·1	1·26	0·94	131
1914.....	23·8	13·5	1·62	1·11	111
Mean of 10 years					
1905-1914	25·3	14·5	1·38	1·19	115
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+1·4	+1·6	—0·36	—0·17	+20
<i>Ten Years' Average</i>	—0·1	+0·6	—0·12	—0·25	+16

Darwen (Borough).—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	16.2	15.2	1.70	0.56	112
1914.....	18.6	14.4	0.87	0.70	118
Mean of 10 years 1905-1914	19.1	13.8	0.94	0.71	129
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.4	+0.8	+0.83	—0.14	—6
<i>Ten Years' Average</i>	—2.9	+1.4	+0.76	—0.15	—17

Denton.—

1915.....	18.9	14.8	1.34	0.75	146
1914.....	21.1	12.9	1.26	0.98	120
Mean of 10 years 1905-1914	23.0	14.2	1.20	0.90	130
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.2	+1.9	+0.08	—0.23	+26
<i>Ten Years' Average</i>	—4.1	+0.6	+0.14	—0.15	+16

Droylsden.—

1915.....	22.6	17.0	1.65	1.65	130
1914.....	23.8	14.3	1.94	1.07	120
Mean of 10 years 1905-1914	26.2	15.3	2.04	1.10	137
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1.2	+2.7	—0.29	+0.58	+10
<i>Ten Years' Average</i>	—3.6	+1.7	—0.39	+0.55	—7

Eccles (Borough).—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	20·0	16·0	2·27	1·41	123
1914.....	21·6	13·0	0·99	1·08	105
Mean of 10 years					
1905-1914	23·9	13·5	1·30	0·95	112
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·6	+3·0	+1·28	+0·33	+18
<i>Ten Years' Average</i>	—3·9	+2·5	+0·97	+0·46	+11

Failsworth.—

1915.....	23·6	15·5	1·13	1·25	96
1914.....	27·2	15·1	2·28	1·14	121
Mean of 10 years					
1905-1914	26·7	15·3	1·49	1·21	130
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·6	+0·4	—1·15	+0·11	—25
<i>Ten Years' Average</i>	—3·1	+0·2	—0·36	+0·04	—34

Farnworth.—

1915.....	19·8	18·4	2·85	0·99	171
1914.....	23·1	14·3	2·03	0·79	122
Mean of 10 years					
1905-1914	25·1	15·4	2·62	0·94	173
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·3	+4·1	+0·82	+0·20	+49
<i>Ten Years' Average</i>	—5·3	+3·0	+0·23	+0·05	—2

Fleetwood.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	20·7	14·2	1·11	0·98	85
1914.....	26·8	12·1	0·71	1·05	98
Mean of 10 years					
1905-1914	28·7	13·1	1·43	0·72	115
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—6·1	+2·1	+0·40	—0·07	—13
<i>Ten Years' Average</i>	—8·0	+1·1	—0·32	+0·26	—30

Formby.—

1915.....	14·6	9·5	0·34	0·69	34
1914.....	18·8	10·9	0·67	0·50	26
Mean of 10 years					
1905-1914	18·2	9·5	0·62	0·70	65
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—4·2	—1·4	—0·33	+0·19	+8
<i>Ten Years' Average</i>	—3·6	nil.	—0·28	—0·01	—31

Fulwood.—

1915.....	11·8	10·6	0·69	0·34	53
1914.....	13·4	11·9	0·47	0·31	58
Mean of 10 years					
1905-1914	16·4	10·4	0·63	0·43	57
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·6	—1·3	+0·22	+0·03	—5
<i>Ten Years' Average</i>	—4·6	+0·2	+0·06	—0·09	—4

Golborne.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	27·7	22·8	5·43	1·51	189
1914.....	30·3	11·1	1·37	0·27	104
Mean of 10 years					
1905-1914	30·7	15·6	2·94	0·63	154
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·6	+11·7	—4·06	+1·24	+85
<i>Ten Years' Average</i>	—3·0	+7·2	+2·49	+0·88	+35

Grange-over-Sands.—

1915.....	7·5	16·3	1·57	1·57	nil.
1914.....	8·8	7·5	nil.	0·44	50
Mean of 10 years					
1905-1914	9·9	12·0	0·27	1·58	66
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·3	+8·8	+1·57	+1·13	—50
<i>Ten Years' Average</i>	—2·4	+4·3	+1·30	—0·01	—66

Great Crosby.—

1915.....	19·8	9·4	0·84	0·91	70
1914.....	20·0	9·7	0·36	0·51	70
Mean of 10 years					
1905-1914	19·4	9·8	0·65	0·51	79
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—0·2	—0·3	+0·48	+0·40	nil.
<i>Ten Years' Average</i>	+0·4	—0·4	+0·19	+0·40	—9

Great Harwood.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	16·7	12·4	0·93	1·08	80
1914.....	22·2	11·1	1·14	0·50	96
Mean of 10 years 1905-1914	21·0	11·7	0·82	0·60	106
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—5·5	+1·3	—0·21	+0·58	—16
<i>Ten Years' Average</i>	—4·3	+0·7	+0·11	+0·48	—26

Haslingden (Borough).—

1915.....	15·3	15·7	1·28	1·28	120
1914.....	17·4	15·2	0·68	0·63	111
Mean of 10 years 1905-1914	18·8	15·0	1·01	0·91	132
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·1	+0·5	+0·60	+0·65	+9
<i>Ten Years' Average</i>	—3·5	+0·7	+0·27	+0·37	—12

Haydock.—

1915.....	28·2	18·9	3·48	0·65	151
1914.....	30·8	12·8	1·89	0·69	119
Mean of 10 years 1905-1914	33·6	14·8	2·71	0·60	141
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·6	+6·1	+1·59	—0·04	+32
<i>Ten Years' Average</i>	—5·4	+4·1	+0·77	+0·05	+10

Heysham.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	13·4	17·1	0·59	0·59	22
1914.....	12·8	15·2	0·29	nil.	46
Mean of 10 years					
1905-1914	14·7	12·4	0·40	0·63	88
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+0·6	+1·9	+0·30	+0·59	—24
<i>Ten Years' Average</i>	—1·3	+4·7	+0·19	—0·04	—66

Heywood (Borough).—

1915.....	19·4	18·1	2·55	1·16	123
1914.....	20·4	17·8	0·70	1·36	137
Mean of 10 years					
1905-1914	21·8	17·0	1·52	1·34	137
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·0	+0·3	+1·85	—0·20	—14
<i>Ten Years' Average</i>	—2·4	+1·1	+1·03	—0·18	—14

Hindley.—

1915.....	27·5	19·2	4·83	0·97	159
1914.....	30·2	15·1	1·62	0·56	125
Mean of 10 years					
1905-1914	29·4	16·2	2·47	0·78	150
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·7	+4·1	+3·21	+0·41	+34
<i>Ten Years' Average</i>	—1·9	+3·0	+2·36	+0·19	+9

Horwich.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	17·5	10·8	2·24	0·93	78
1914.....	21·2	11·5	0·89	0·89	75
Mean of 10 years					
1905-1914	24·0	11·9	1·20	0·74	112
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·7	—0·7	+1·35	+0·04	+3
<i>Ten Years' Average</i>	—6·5	—1·1	+1·04	+0·19	—34

Hurst.—

1915.....	25·0	18·9	2·07	1·94	152
1914.....	27·4	16·8	1·60	1·47	116
Mean of 10 years					
1905-1914	26·8	16·4	1·74	0·98	145
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·4	+2·1	+0·47	+0·47	+36
<i>Ten Years' Average</i>	—1·8	+2·5	+0·33	+0·96	+7

Huyton-with-Roby.—

1915.....	19·0	11·4	0·21	1·27	103
1914.....	16·2	12·9	1·09	0·87	94
Mean of 10 years					
1905-1914	19·6	11·4	0·83	0·49	77
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+2·8	—1·5	—0·88	+0·40	+9
<i>Ten Years' Average</i>	—0·6	nil.	—0·62	+0·78	+26

Ince-in-Makerfield.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	31·0	20·7	3·45	1·01	167
1914.....	37·3	19·8	4·11	0·71	145
Mean of 10 years					
1905-1914	34·6	19·0	3·75	0·70	175
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—6·3	+0·9	—0·66	+0·30	+22
<i>Ten Years' Average</i>	—3·6	+1·7	—0·30	+0·31	—8

Irlam.—

1915.....	27·6	10·1	0·46	0·81	108
1914.....	29·2	12·0	0·62	0·50	102
Mean of 10 years					
1905-1914	28·1	12·9	1·39	0·57	107
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·6	—1·9	—0·16	+0·31	+6
<i>Ten Years' Average</i>	—0·5	—2·8	—0·93	+0·24	+1

Kearsley.—

1915.....	21·8	16·8	2·28	1·14	153
1914.....	22·4	13·2	1·21	0·71	135
Mean of 10 years					
1905-1914	24·4	14·1	2·03	0·85	149
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—0·6	+3·6	+1·07	+0·43	+18
<i>Ten Years' Average</i>	—2·6	+2·7	+0·25	+0·29	+4

Kirkham.—

PER 1,000 OF POPULATION.

	Birth- rate..	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	15·6	13·8	0·82	0·82	112
1914.....	23·0	14·9	1·01	2·02	76
Mean of 10 years					
1905-1914	23·8	17·2	2·16	1·34	175
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—7·4	—1·1	—0·19	—1·20	+36
<i>Ten Years' Average</i>	—8·2	—3·4	—1·34	—0·52	—63

Lancaster (Borough).—

1915.....	17·3	16·3	1·18	1·65	136
1914.....	20·4	12·6	0·46	1·39	86
Mean of 10 years					
1905-1914	22·0	13·1	1·13	1·03	109
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—3·1	+3·7	+0·72	+0·26	+50
<i>Ten Years' Average</i>	—4·7	+3·2	+0·05	+0·62	+27

Lathom and Burscough.—

1915.....	20·7	15·7	0·26	1·33	84
1914.....	20·9	12·7	0·67	0·81	70
Mean of 10 years					
1905-1914	24·4	13·5	1·06	0·73	95
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—0·2	+3·0	—0·41	+0·52	+14
<i>Ten Years' Average</i>	—3·7	+2·2	—0·80	+0·60	—11

Lees.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	20·0	17·3	0·63	1·27	148
1914.....	23·6	18·0	1·39	0·99	151
Mean of 10 years					
1905-1914	26·1	18·7	1·88	1·01	173
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·6	—0·7	—0·76	+0·28	—3
<i>Ten Years' Average</i>	—6·1	—1·4	—1·25	+0·26	—25

Leigh (Borough).—

1915.....	24·5	19·5	3·40	1·27	165
1914.....	26·9	14·3	1·69	0·83	115
Mean of 10 years					
1905-1914	27·7	16·3	2·61	1·02	159
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·4	+5·2	+1·71	+0·44	+50
<i>Ten Years' Average</i>	—3·2	+3·2	+0·79	+0·25	+6

Leyland.—

1915.....	24·1	14·4	1·82	0·68	97
1914.....	17·1	12·8	0·58	0·47	116
Mean of 10 years					
1905-1914	23·0	14·3	1·00	0·82	121
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+7·0	+1·6	+1·24	+0·21	—19
<i>Ten Years' Average</i>	+1·1	+0·1	+0·82	—0·14	—24

Litherland.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	30·0	16·0	2·23	1·40	137
1914.....	32·5	17·2	1·87	1·56	142
Mean of 10 years					
1905-1914	32·5	14·2	2·01	0·94	123
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·5	—1·2	+0·36	—0·16	—5
<i>Ten Years' Average</i>	—2·5	+1·8	+0·22	+0·46	+14

Littleborough.—

1915.....	17·4	16·7	0·42	0·76	119
1914.....	18·5	14·2	1·00	0·66	112
Mean of 10 years					
1905-1914	18·8	13·8	0·77	0·81	108
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·1	+2·5	—0·58	+0·10	+7
<i>Ten Years' Average</i>	—1·4	+2·9	—0·35	—0·05	+11

Little Crosby.—

1915.....	15·9	8·3	1·03	1·03	nil.
1914.....	30·8	11·7	nil.	nil.	68
Mean of 10 years					
1905-1914	20·6	9·8	0·10	0·46	58
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—14·9	—3·4	+1·03	+1·03	—68
<i>Ten Years' Average</i>	—4·7	—1·5	+0·93	+0·57	—58

Little Hulton.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	25·6	14·2	2·50	0·75	125
1914.....	23·5	13·0	0·86	0·49	89
Mean of 10 years 1905-1914	26·2	13·7	1·64	0·96	108
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+2·1	+1·2	+1·64	+0·26	+36
<i>Ten Years' Average</i>	—0·6	+0·5	+0·86	—0·21	+17

Little Lever.—

1915.....	19·0	15·0	2·85	0·81	161
1914.....	20·9	17·8	2·30	1·15	100
Mean of 10 years 1905-1914	23·6	14·9	2·06	0·90	142
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·9	—2·8	+0·55	—0·34	+61
<i>Ten Years' Average</i>	—4·6	+0·1	+0·79	—0·09	+19

Longridge.—

1915.....	21·1	13·1	0·92	0·23	65
1914.....	19·8	13·1	nil.	1·15	174
Mean of 10 years 1905-1914	24·7	15·7	1·06	1·41	151
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+1·3	nil.	+0·92	—0·92	—109
<i>Ten Years' Average</i>	—3·6	—2·6	—0·14	—1·18	—86

Lytham.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	12·6	17·5	1·68	0·89	55
1914.....	13·4	13·1	1·29	0·89	80
Mean of 10 years					
1905-1914	14·1	12·0	0·57	0·63	82
<i>Increase or Decrease</i>					
<i>in 1915 on—</i>					
<i>Previous Year</i>	—0·8	+4·4	+0·39	nil.	—25
<i>Ten Years' Average</i>	—1·5	+5·5	+1·11	+0·26	—27

Middleton (Borough).—

1915.....	17·5	16·1	0·93	1·47	93
1914.....	19·8	14·6	1·98	1·21	126
Mean of 10 years					
1905-1914	22·0	15·3	1·48	1·23	134
<i>Increase or Decrease</i>					
<i>in 1915 on—</i>					
<i>Previous Year</i>	—2·3	+1·5	—1·05	+0·26	—33
<i>Ten Years' Average</i>	—4·5	+0·8	—0·55	+0·24	—41

Milnrow.—

1915.....	17·1	18·3	0·95	1·30	140
1914.....	16·0	18·2	2·28	0·57	205
Mean of 10 years					
1905-1914	19·0	15·1	1·06	0·94	125
<i>Increase or Decrease</i>					
<i>in 1915 on—</i>					
<i>Previous Year</i>	+1·1	+0·1	—1·33	+0·73	—65
<i>Ten Years' Average</i>	—1·9	+3·2	—0·11	+0·36	+15

Morecambe (Borough).—

	PER 1,000 OF POPULATION.				
	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	13.1	18.5	0.46	0.62	77
1914.....	12.9	10.1	0.13	0.40	73
Mean of 10 years 1905-1914	14.5	13.0	0.46	0.87	114
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+0.2	+8.4	+0.33	+0.22	+4
<i>Ten Years' Average</i>	—1.4	+5.5	nil.	—0.25	—37

Mossley (Borough).—

1915.....	17.0	15.9	0.64	1.12	122
1914.....	19.2	15.1	0.89	1.04	84
Mean of 10 years 1905-1914	20.3	15.4	0.74	1.10	110
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.2	+0.8	—0.25	+0.08	+38
<i>Ten Years' Average</i>	—3.3	+0.5	—0.10	+0.02	+12

Nelson (Borough).—

1915.....	14.8	10.9	0.68	0.80	92
1914.....	16.9	11.4	1.10	0.65	122
Mean of 10 years 1905-1914	18.4	10.8	0.81	0.72	104
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.1	—0.5	—0.42	+0.15	—30
<i>Ten Years' Average</i>	—3.6	+0.1	—0.13	+0.08	—12

Newton-in-Makerfield.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	23·0	13·5	1·25	0·97	100
1914.....	26·6	12·1	1·25	0·99	76
Mean of 10 years					
1905-1914	27·2	12·9	1·71	0·95	113
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·6	+1·4	nil.	—0·02	+24
<i>Ten Years' Average</i>	—4·2	+0·6	—0·46	+0·02	—13

Norden.—

1915.....	18·7	15·4	0·49	0·73	106
1914.....	18·7	13·7	2·25	0·50	93
Mean of 10 years					
1905-1914	18·9	12·8	0·63	0·76	95
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	nil.	+1·7	—1·76	+0·23	+13
<i>Ten Years' Average</i>	—0·2	+2·6	—0·14	—0·03	+11

Ormskirk.—

1915.....	19·9	14·6	0·29	1·33	86
1914.....	19·9	17·3	0·26	1·45	105
Mean of 10 years					
1905-1914	25·3	15·7	0·97	1·40	105
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	nil.	—2·7	+0·03	—0·12	—19
<i>Ten Years' Average</i>	—5·4	—1·1	—0·68	—0·07	—19

Orrell.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	28.1	14.7	2.04	0.58	138
1914.....	27.8	18.3	3.26	0.62	217
Mean of 10 years					
1905-1914	27.5	15.9	2.60	0.90	171
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+0.3	—3.6	—1.22	—0.04	—79
<i>Ten Years' Average</i>	+0.6	—1.2	—0.56	—0.32	—33

Oswaldtwistle.—

1915.....	19.1	14.2	0.96	0.58	138
1914.....	22.2	15.7	1.41	0.92	144
Mean of 10 years					
1905-1914	23.5	14.7	1.35	0.61	134
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3.1	—1.5	—0.45	—0.34	—6
<i>Ten Years' Average</i>	—4.4	—0.5	—0.39	—0.03	+4

Padiham.—

1915.....	16.9	16.0	0.80	1.84	112
1914.....	22.0	15.2	1.62	0.56	141
Mean of 10 years					
1905-1914	23.5	15.3	1.22	0.81	150
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—5.1	+0.8	—0.82	+1.28	—29
<i>Ten Years' Average</i>	—6.6	+0.7	—0.42	+1.03	—38

Poulton-le-Fylde.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	16·0	13·8	0·40	nil.	205
1914.....	17·2	16·8	0·82	0·41	119
Mean of 10 years 1905-1914	18·2	12·9	0·27	0·56	95
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·2	—3·0	—0·42	—0·41	+86
<i>Ten Years' Average</i>	—2·2	+0·9	+0·13	—0·56	+110

Preesall.—

1915.....	15·4	16·7	nil.	1·15	37
1914.....	19·9	12·5	1·71	nil.	85
Mean of 10 years 1905-1914	21·7	10·8	0·75	0·37	82
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—4·5	+4·2	—1·71	+1·15	—48
<i>Ten Years' Average</i>	—6·3	+5·9	—0·75	+0·78	—45

Prescot.—

1915.....	27·2	15·6	2·04	1·20	96
1914.....	27·6	16·1	1·00	1·37	90
Mean of 10 years 1905-1914	30·5	16·0	2·50	1·09	131
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—0·4	—0·5	+1·04	—0·17	+6
<i>Ten Years' Average</i>	—3·3	—0·4	—0·46	+0·11	—35

Prestwich.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	17·2	12·1	0·68	0·96	67
1914.....	19·4	10·8	0·45	0·64	63
Mean of 10 years					
1905-1914	22·0	11·7	0·82	0·69	80
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·2	+1·3	+0·23	+0·32	+4
<i>Ten Years' Average</i>	—4·8	+0·4	—0·14	+0·27	—13

Radcliffe.—

1915.....	16·6	17·7	1·30	0·93	145
1914.....	19·4	13·6	0·65	0·76	124
Mean of 10 years					
1905-1914	20·8	14·5	1·14	0·80	135
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·8	+4·1	+0·65	+0·17	+21
<i>Ten Years' Average</i>	—4·2	+3·2	+0·16	+0·13	+10

Rainford.—

1915.....	22·8	11·8	nil.	0·60	74
1914.....	29·5	14·9	1·69	0·28	76
Mean of 10 years					
1905-1914	29·8	13·5	1·18	0·34	98
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—6·7	—3·1	—1·69	+0·32	—2
<i>Ten Years' Average</i>	—7·0	—1·7	—1·18	+0·26	—24

Ramsbottom.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	15·2	14·4	1·06	1·26	101
1914.....	18·0	15·2	0·77	0·83	93
Mean of 10 years					
1905-1914	18·2	14·1	1·05	1·10	110
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·8	—0·8	+0·29	+0·43	+8
<i>Ten Years' Average</i>	—3·0	+0·3	+0·01	+0·16	—9

Rawtenstall (Borough).—

1915.....	17·9	16·2	0·81	0·87	133
1914.....	18·3	14·9	0·71	0·84	88
Mean of 10 years					
1905-1914	20·3	14·2	0·74	0·92	110
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—0·4	+1·3	+0·10	+0·03	+45
<i>Ten Years' Average</i>	—2·4	+2·0	+0·07	—0·05	+23

Rishton.—

1915.....	15·2	13·6	0·54	0·81	75
1914.....	17·5	12·3	0·64	0·76	94
Mean of 10 years					
1905-1914	20·0	11·1	0·95	0·90	103
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·3	+1·3	—0·10	+0·05	—19
<i>Ten Years' Average</i>	—4·8	+2·5	—0·41	—0·09	—28

Royton.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	19·9	15·5	0·82	0·94	133
1914.....	24·3	17·6	2·20	0·96	118
Mean of 10 years 1905-1914	26·1	17·5	1·59	0·80	129
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—4·4	—2·1	—1·38	—0·02	+15
<i>Ten Years' Average</i>	—6·2	—2·0	—0·77	+0·14	+4

St. Annes-on-the-Sea.—

1915.....	8·8	13·1	0·90	0·70	31
1914.....	10·5	9·3	0·27	0·27	105
Mean of 10 years 1905-1914	13·1	10·1	0·35	0·55	82
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·7	+3·8	+0·63	+0·43	—74
<i>Ten Years' Average</i>	—4·3	+3·0	+0·55	+0·15	—51

Skelmersdale.—

1915.....	29·5	17·7	2·54	0·74	144
1914.....	28·4	15·5	1·00	0·57	165
Mean of 10 years 1905-1914	32·1	16·8	2·12	0·53	161
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+1·1	+2·2	+1·54	+0·17	—21
<i>Ten Years' Average</i>	—2·6	+0·9	+0·42	+0·21	—17

Standish-with-Langtree.—

PER 1,000 OF POPULATION.					
	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	23·7	14·9	1·63	0·54	144
1914.....	28·1	12·7	0·65	0·39	130
Mean of 10 years 1905-1914	30·1	14·5	1·37	0·54	137
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—4·4	+2·2	+0·98	+0·15	+14
<i>Ten Years' Average</i>	—6·4	+0·4	+0·26	nil.	+7

Stretford.—

1915.....	14·8	12·3	0·81	0·97	89
1914.....	18·0	12·0	0·50	0·99	83
Mean of 10 years 1905-1914	18·8	11·3	0·81	0·75	102
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·2	+0·3	+0·31	—0·02	+6
<i>Ten Years' Average</i>	—4·0	+1·0	nil.	+0·22	—13

Swinton and Pendlebury.—

1915.....	21·6	15·2	1·95	1·13	152
1914.....	23·6	13·3	1·24	1·34	142
Mean of 10 years 1905-1914	25·9	14·8	1·84	1·04	142
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2·0	+1·9	+0·71	—0·21	+10
<i>Ten Years' Average</i>	—4·3	+0·4	+0·11	+0·09	+10

Thornton.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	17·7	11·5	0·61	0·61	72
1914.....	23·0	11·0	0·36	0·73	64
Mean of 10 years					
1905-1914	24·7	12·0	0·77	0·64	74
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—5·3	+0·5	+0·25	—0·12	+8
<i>Ten Years' Average</i>	—7·0	—0·5	—0·16	—0·03	—2

Tottington.—

1915.....	15·4	14·8	1·51	1·36	83
1914.....	16·9	13·7	0·57	0·85	84
Mean of 10 years					
1905-1914	17·6	12·6	0·68	0·76	100
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·5	+1·1	+0·94	+0·51	—1
<i>Ten Years' Average</i>	—2·2	+2·2	+0·83	+0·60	—17

Trawden.—

1915.....	16·2	7·5	0·34	0·34	122
1914.....	19·2	12·2	0·66	0·99	137
Mean of 10 years					
1905-1914	23·7	14·5	0·70	1·08	117
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·0	—4·7	—0·32	—0·65	—15
<i>Ten Years' Average</i>	—7·5	—7·0	—0·36	—0·74	+5

Turton.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	15.3	13.0	0.65	0.98	92
1914.....	15.3	12.4	0.39	1.02	66
Mean of 10 years 1905-1914	17.8	11.8	0.58	0.61	82
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	nil.	+0.6	+0.26	—0.04	+26
<i>Ten Years' Average</i>	—2.5	+1.2	+0.07	+0.37	+10

Tyldesley-with-Shakerley.—

1915.....	25.0	16.4	4.00	0.78	114
1914.....	27.6	14.2	1.46	1.20	114
Mean of 10 years 1905-1914	27.5	15.0	2.44	0.88	148
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.6	+2.2	+2.54	—0.42	nil.
<i>Ten Years' Average</i>	—2.5	+1.4	+1.56	—0.10	—34

Ulverston.—

1915.....	20.4	14.5	0.29	0.58	107
1914.....	22.2	14.1	1.88	0.62	98
Mean of 10 years 1905-1914	21.8	14.5	1.16	0.81	104
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1.8	+0.4	—1.59	—0.04	+9
<i>Ten Years' Average</i>	—1.4	nil.	—0.87	—0.23	+3

Upholland.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	28.2	19.4	2.09	1.14	128
1914.....	29.9	9.9	0.57	0.19	70
Mean of 10 years 1905-1914	31.3	14.6	1.63	0.63	132
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1.7	+9.5	+1.52	+0.95	+58
<i>Ten Years' Average</i>	—3.1	+4.8	+0.46	+0.51	—4

Urmston.—

1915.....	17.5	8.3	0.24	0.62	41
1914.....	17.1	11.5	0.60	0.73	42
Mean of 10 years 1905-1914	20.3	11.5	0.99	0.85	93
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+0.4	—3.2	—0.36	—0.11	—1
<i>Ten Years' Average</i>	—2.8	—3.2	—0.75	—0.23	—52

Walton-le-Dale.—

1915.....	19.1	15.5	2.51	0.58	143
1914.....	18.4	13.5	0.48	0.72	114
Mean of 10 years 1905-1914	24.3	14.1	1.07	0.88	122
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+0.7	+2.0	+2.03	—0.14	+29
<i>Ten Years' Average</i>	—5.2	+1.4	+1.44	—0.30	+21

Wardle.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	14.9	14.8	0.51	1.02	103
1914.....	13.9	16.7	0.77	0.51	148
Mean of 10 years					
1905-1914	15.9	13.9	0.94	0.80	132
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	+1.0	—1.9	—0.26	+0.51	—45
<i>Ten Years' Average</i>	—1.0	+0.9	—0.43	+0.22	—29

Waterloo-with-Seaforth.—

1915.....	21.2	14.6	1.38	0.58	90
1914.....	22.2	14.2	1.13	1.10	85
Mean of 10 years					
1905-1914	23.5	12.2	1.11	0.90	100
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—1.0	+0.4	+0.25	—0.52	+5
<i>Ten Years' Average</i>	—2.3	+2.4	+0.27	—0.32	—10

Westhoughton.—

1915.....	25.3	14.6	1.76	0.91	150
1914.....	27.4	14.8	1.64	0.65	117
Mean of 10 years					
1905-1914	28.3	13.9	1.68	0.53	128
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—2.1	—0.2	+0.12	+0.26	+33
<i>Ten Years' Average</i>	—3.0	+0.7	+0.08	+0.38	+22

Whitefield.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	17.1	16.1	2.05	0.58	90
1914.....	17.6	13.3	0.56	0.99	120
Mean of 10 years					
1905-1914	20.4	14.8	1.15	0.71	118
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—0.5	+2.8	+1.49	—0.41	—30
<i>Ten Years' Average</i>	—3.3	+1.3	+0.90	—0.13	—28

Whitworth.

1915.....	17.5	17.7	0.35	1.78	75
1914.....	18.5	14.5	0.44	1.22	125
Mean of 10 years					
1905-1914	18.9	16.0	0.79	1.17	124
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1.0	+3.2	—0.09	+0.56	—50
<i>Ten Years' Average</i>	—1.4	+1.7	—0.44	+0.61	—49

Widnes (Borough).—

1915.....	28.4	20.4	2.94	1.39	139
1914.....	30.4	17.4	2.70	1.50	127
Mean of 10 years					
1905-1914	31.4	17.0	2.58	0.87	143
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.0	+3.0	+0.24	—0.11	+12
<i>Ten Years' Average</i>	—3.0	+3.4	+0.36	+0.52	—4

Withnell.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	18·7	11·1	nil.	0·60	15
1914.....	19·0	11·1	0·29	0·29	123
Mean of 10 years 1905-1914	20·5	11·8	0·87	0·44	99
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—0·3	nil.	—0·29	+0·31	—108
<i>Ten Years' Average</i>	—1·8	—0·7	—0·87	+0·16	—84

Worsley.—

1915.....	18·3	13·9	1·46	0·36	117
1914.....	18·0	11·2	0·97	0·69	129
Mean of 10 years 1905-1914	20·9	12·7	1·28	0·71	120
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	+0·3	+2·7	+0·49	—0·33	—12
<i>Ten Years' Average</i>	—2·6	+1·2	+0·18	—0·35	—3

RURAL DISTRICTS.

Barton-upon-Irwell.—

	PER 1,000 OF POPULATION.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1915.....	20·8	11·5	0·92	0·92	59
1914.....	20·2	11·3	0·61	0·61	96
Mean of 10 years					
1905-1914	22·9	12·3	1·05	0·56	86
<i>Increase or Decrease</i>					
<i>in 1915 on—</i>					
<i>Previous Year</i>	+0·6	+0·2	+0·31	+0·31	—37
<i>Ten Years' Average</i>	—2·1	—0·8	—0·13	+0·36	—27

Blackburn.—

1915.....	18·3	13·5	0·67	0·56	60
1914.....	21·4	13·3	0·67	0·67	89
Mean of 10 years					
1905-1914	20·1	13·2	0·69	0·68	94
<i>Increase or Decrease</i>					
<i>in 1915 on—</i>					
<i>Previous Year</i>	—3·1	+0·2	nil.	—0·11	—29
<i>Ten Years' Average</i>	—1·8	+0·3	—0·02	—0·12	—34

Burnley.—

1915.....	14·7	13·6	0·70	0·75	115
1914.....	16·8	12·7	1·21	0·63	112
Mean of 10 years					
1905-1914	20·3	12·8	0·81	0·62	114
<i>Increase or Decrease</i>					
<i>in 1915 on—</i>					
<i>Previous Year</i>	—2·1	+0·9	—0·51	+0·12	+3
<i>Ten Years' Average</i>	—5·6	+0·8	—0·11	+0·13	+1

Bury.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	18.1	14.7	1.40	0.54	118
1914.....	19.5	13.5	0.64	0.64	98
Mean of 10 years 1905-1914	20.4	13.0	1.11	0.63	97
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1.4	+1.2	+0.76	—0.10	+20
<i>Ten Years' Average</i>	—2.3	+1.7	+0.29	—0.09	+21

Chorley.—

1915.....	20.1	13.1	0.77	1.09	93
1914.....	23.0	12.7	0.62	0.71	124
Mean of 10 years 1905-1914	24.2	13.6	1.01	0.74	112
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.9	+0.4	+0.15	+0.38	—31
<i>Ten Years' Average</i>	—4.1	—0.5	—0.24	+0.35	—19

Clitheroe (Lancashire portion).—

1915.....	17.0	13.8	0.80	0.64	74
1914.....	19.5	11.1	0.63	0.63	64
Mean of 10 years 1905-1914	20.5	13.4	0.64	0.78	81
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—2.5	+2.7	+0.17	+0.01	+10
<i>Ten Years' Average</i>	—3.5	+0.4	+0.16	—0.14	—7

Fylde.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	20·1	13·6	1·20	0·51	105
1914.....	20·4	10·2	0·32	0·40	80
Mean of 10 years					
1905-1914	23·0	12·1	0·94	0·38	88
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—0·3	+3·4	+0·88	+0·11	+25
<i>Ten Years' Average</i>	—2·9	+1·5	+0·26	+0·13	+17

Garstang.—

1915.....	16·7	12·5	0·19	0·76	72
1914.....	19·6	11·6	0·56	0·09	66
Mean of 10 years					
1905-1914	21·1	12·0	0·40	0·56	72
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—2·9	+0·9	—0·37	+0·67	+6
<i>Ten Years' Average</i>	—4·4	+0·5	—0·21	+0·20	nil.

Lancaster.—

1915.....	16·2	12·8	1·36	0·79	106
1914.....	17·5	12·8	0·32	0·54	67
Mean of 10 years					
1905-1914	20·2	12·5	0·65	0·64	79
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—1·3	nil.	+1·04	+0·25	+39
<i>Ten Years' Average</i>	—4·0	+0·3	+0·71	+0·15	+27

Leigh.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	26·7	15·3	3·18	0·86	119
1914.....	26·9	12·4	0·96	0·77	115
Mean of 10 years					
1905-1914	29·1	15·2	2·23	0·92	137
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—0·2	+2·9	+2·22	+0·09	+4
<i>Ten Years' Average</i>	—2·4	+0·1	+0·95	—0·06	—18

Limehurst.—

1915.....	22·1	17·8	0·88	0·99	139
1914.....	26·5	15·9	2·56	1·17	136
Mean of 10 years					
1905-1914	24·8	14·1	1·30	1·03	118
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—4·4	+1·9	—1·68	—0·18	+3
<i>Ten Years' Average</i>	—2·7	+3·7	—0·42	—0·04	+21

Lunesdale.—

1915.....	15·4	14·2	0·91	0·30	103
1914.....	18·4	12·2	0·43	0·72	47
Mean of 10 years					
1905-1914	19·1	11·9	0·55	0·60	74
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—3·0	+2·0	+0·48	—0·42	+56
<i>Ten Years' Average</i>	—3·7	+2·3	+0·36	—0·30	+29

Preston.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births
1915.....	17·8	12·9	0·90	0·47	68
1914.....	21·1	12·6	0·63	0·95	78
Mean of 10 years 1905-1914	23·8	13·5	0·68	0·76	94
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·3	+0·3	+0·27	—0·48	—10
<i>Ten Years' Average</i>	—6·0	—0·6	+0·22	—0·29	—26

Sefton.—

1915.....	14·6	13·9	1·11	0·74	137
1914.....	19·1	10·7	0·16	0·83	70
Mean of 10 years 1905-1914	20·1	12·9	0·63	0·93	78
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—4·5	+3·2	+0·95	—0·09	+67
<i>Ten Years' Average</i>	—5·5	+1·0	+0·48	—0·19	+59

Ulverston.—

1915.....	18·0	12·6	0·29	0·52	58
1914.....	19·5	12·6	0·58	0·64	48
Mean of 10 years 1905-1914	19·6	12·9	0·51	0·82	71
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·5	nil.	—0·29	—0·12	+10
<i>Ten Years' Average</i>	—1·6	—0·3	—0·22	—0·30	—13

Warrington.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death- rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	19·3	14·5	1·28	0·82	121
1914.....	23·0	10·1	0·94	0·86	78
Mean of 10 years 1905-1914	23·1	12·0	1·31	0·82	102
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—3·7	+4·4	+0·34	—0·04	+43
<i>Ten Years' Average</i>	—3·8	+2·5	—0·03	nil.	+19

West Lancashire.—

1915.....	18·2	12·8	0·64	0·64	65
1914.....	19·4	13·0	0·85	0·57	127
Mean of 10 years 1905-1914	21·4	12·4	0·79	0·72	94
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	—1·2	—0·2	—0·21	+0·07	—62
<i>Ten Years' Average</i>	—3·2	+0·4	—0·15	—0·08	—29

Whiston.—

1915.....	23·0	14·0	1·12	0·53	92
1914.....	23·0	13·5	1·01	1·01	105
Mean of 10 years 1905-1914	24·0	11·9	1·22	0·75	96
<i>Increase or Decrease in 1915 on—</i>					
<i>Previous Year</i>	nil.	+0·5	+0·11	—0·48	—13
<i>Ten Years' Average</i>	—1·0	+2·1	—0·10	—0·22	—4

Wigan.—

PER 1,000 OF POPULATION.

	Birth- rate.	Death rate.	Epidemic Death- rate.	Phthisis Death- rate.	Rate of Deaths under 1 year to 1,000 Births.
1915.....	19·4	12·1	1·41	0·63	168
1914.....	23·2	13·3	0·62	0·46	134
Mean of 10 years 1905-1914	24·9	13·4	0·94	0·47	108
<i>Increase or Decrease</i> <i>in 1915 on—</i>					
<i>Previous Year</i>	—3·8	—1·2	+0·79	+0·17	+34
<i>Ten Years' Average</i>	—5·5	—1·3	+0·47	+0·16	+60

VITAL STATISTICS.

TABLE I.—DEATHS registered during the year 1915 in the **URBAN DISTRICTS** of the Administrative County of Lancaster, classified according to Ages and Localities, and showing also the Area and Population of such Localities, and the Birth-rate and Death-rates during the year.

NOTES :—The Area and “Census” Population of each District are taken from the Census Return.
 The Births and Deaths in each District are corrected by the inward and outward transfers supplied by the Registrar-General.
 *Birth-rate calculated on the Estimated Population for 1914.
 †Death-rate calculated on an Estimate of the Civil Population prepared by the Registrar-General.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis- tered Births.	Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.								
		Census, 1911.	Estimate of Civil Population, 1915.		*Birth- rate.	+Death- rate.	†Death- rate from the seven principal Epidemic Diseases.	†Phthisis Death- rate.		Under 1 year.	1 and 2 under 2.	2 and 5 under 5.	5 and 15. under 15.	15 and 25. under 25.	25 and 45. under 45.	45 and 65. under 65.	65 and upwards.	
ABRAM	1984	6893	6782	188	26.1	17.9	4.71	0.88	175	122	33	16	9	6	5	12	24	17
ACCRINGTON (Borough)	3427	45029	43050	751	16.4	15.0	0.72	1.20	103	650	78	12	14	25	25	91	193	212
ADLINGTON.....	1062	4457	4416	93	20.2	11.3	Nil.	0.67	86	50	8	1	2	3	4	7	10	15
ASHTON IN-MAKER- FIELD.....	6251	21543	21709	610	26.8	17.7	4.51	0.36	157	385	96	49	24	18	14	37	77	70
ASHTON-UNDER- LYNE (Borough) ..	1345	45172	41149	902	19.9	19.3	1.70	1.43	169	796	153	41	29	31	21	100	203	218
ASPULL	1906	8276	7849	204	24.6	17.4	5.09	0.89	171	137	35	13	10	8	6	14	25	26
ATHERTON	2265	18982	19065	485	23.6	13.1	1.67	0.94	103	250	50	15	16	10	11	33	58	57
AUDENSHAW.....	1241	7977	7776	157	18.9	17.4	2.31	0.90	127	136	20	7	8	3	3	23	32	40
BACUP (Borough)	6120	22318	21325	382	16.9	16.9	0.70	0.89	99	362	38	8	11	14	16	36	131	108
BARROWFORD	1385	5527	5751	90	15.5	11.3	0.52	0.52	55	65	5	1	2	1	8	6	16	26

TABLE I.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis-tered Births.	Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.							
					*Birth-rate.	†Death-rate.	†Death-rate from the seven principal epidemic Diseases.	†Phthisis Death-rate.		Under 1 year.	1 and 2.	2 and 5.	5 and 15.	15 and 25.	25 and 45.	45 and 65.	65 and upwards.
		Census, 1911.	Estimate of Civil Population, 1915.							At all Ages.							
BILLINGE	4596	4903	4611	112	22.1	16.9	1.30	1.30	133	78	15	4	3	2	9	14	27
BISPHAM-WITH-NORBRECK	1346	2244	2965	28	9.8	14.8	Nil.	Nil.	Nil.	44	..	1	..	..	1	18	24
BLACKROD	2392	3896	3741	96	23.9	13.9	2.13	0.26	125	52	12	4	7	2	6	6	12
BRIERFIELD	807	8259	9258	142	15.6	14.1	0.96	1.69	70	117	10	3	4	7	14	29	39
CARNFORTH	1505	3141	3020	69	21.9	12.5	1.32	Nil.	57	38	4	4	..	..	2	8	17
CHADDERTON	3082	28299	27868	654	22.1	15.4	1.43	0.78	123	430	81	35	19	13	55	110	102
CHORLEY (Borough) ..	3614	30315	28930	704	22.3	16.1	0.86	1.03	132	466	93	23	17	16	57	107	139
CHURCH	529	6888	6507	115	16.3	15.6	0.61	1.07	86	102	10	11	2	9	8	33	28
CLAYTON-LE-MOORS ..	1059	8868	8653	169	18.3	17.1	1.38	0.69	195	148	33	7	4	8	15	38	37
CLITHEROE (Borough)	2385	12500	12034	225	17.5	14.9	0.83	1.08	88	180	20	8	3	3	19	52	71
COLNE (Borough)	5063	25689	25272	423	15.4	14.3	1.10	1.18	115	362	49	11	14	13	48	101	114
CROMPTON	2865	14750	14552	292	19.0	14.4	0.68	0.61	123	210	36	4	6	6	40	60	47
CROSFON	2347	2041	2056	37	18.0	8.2	Nil.	Nil.	Nil.	17	..	1	..	..	2	3	11
DALTON-IN-FURNESS ..	7990	10763	12684	341	25.2	15.1	1.26	0.94	131	192	45	6	10	7	19	35	62
DARWEN (Borough) ..	5959	40332	38782	666	16.2	15.2	1.70	0.56	112	590	75	38	22	22	74	160	177
DENTON	2594	16877	17134	328	18.9	14.8	1.34	0.75	146	255	48	19	8	13	22	64	74

TABLE I.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis-tered Births.	Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.							
					*Birth-rate.	†Death-rate.	†Death-rate from the seven principal Epidemic Diseases.	+Phthisis Death-rate.		Under 1 year.	1 and 2 under 2.	2 and 3 under 3.	5 and 10 under 10.	15 and 25 under 25.	25 and 45 under 45.	45 and 65 under 65.	65 and upwards.
		Census, 1911.	Estimate of Civil Population, 1915.							At all Ages.							
DROYLSDEN	1009	13259	13329	315	22·6	17·0	1·65	1·65	130	41	6	10	10	8	38	47	67
ECCLES (Borough)....	2057	41944	42274	869	20·0	16·0	2·27	1·41	123	107	45	40	34	30	78	167	177
FAILSWORTH.....	1072	15998	16707	393	23·6	15·5	1·13	1·25	96	38	11	18	16	16	37	64	59
FARNWORTH	1504	28131	26241	576	19·8	18·4	2·85	0·99	171	99	34	19	21	18	57	113	123
FLEETWOOD	2510	15875	15207	375	20·7	14·2	1·11	0·98	85	32	14	4	5	8	38	69	46
FORMBY	5613	5947	5771	87	14·6	9·5	0·34	0·69	34	3	2	1	2	2	11	12	22
FULWOOD	2116	45871	5717	75	11·8	10·6	0·69	0·34	53	4	1	2	7	1	7	10	29
GOLBORNE	1679	6931	6622	201	27·7	22·8	5·43	1·51	189	38	21	10	12	7	11	26	26
GRANGE-OVER-SANDS..	1862	2232	1901	17	7·5	16·3	1·57	1·57	Nil.	..	1	..	2	2	6	7	13
GREAT CROSBY	1867	12273	13065	270	19·8	9·4	0·84	0·91	70	19	4	5	9	6	17	28	35
GREAT HARWOOD ...	2868	13815	13858	235	16·7	12·4	0·93	1·08	80	19	9	10	3	11	20	52	48
HASLINGDEN (Borough)	8196	18719	17844	291	15·3	15·7	1·23	1·28	120	35	16	11	6	9	32	96	76
HAYDOCK	2411	9649	9194	283	23·2	18·9	3·48	0·65	151	43	16	13	8	7	20	34	33

‡ Excluding the number of inmates in the Union Workhouse.

TABLE I.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis- tered Births.	Annual Rates per 1000 of estimated population.			Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.							
		Census, 1911.	Estimate of Civil Population, 1915.		*Birth- rate.	†Death- rate.	†Death- rate from the seven principal Epidemic Diseases.		Under 1 year.	1 and 2. under 2.	2 and 5. under 5.	5 and 15. under 15.	15 and 25. under 25.	25 and 45. under 45.	45 and 65. under 65.	65 and upwards.
HEYSHAM	1835	3350	3373	45	13·4	17·1	0·59	22	1	..	1	2	2	5	15	32
HEYWOOD (Borough) .	3658	26697	25809	526	19·4	18·1	2·25	123	65	39	36	13	20	52	120	124
HINDLEY	2612	24100	23574	677	27·5	19·2	4·83	159	108	62	38	22	24	32	91	76
HORWICH	3257	16285	16003	294	17·5	10·8	2·24	78	23	11	16	14	4	19	46	41
HURST	638	7858	7722	203	25·0	18·9	2·07	152	31	10	6	10	4	24	31	30
HUYTON-WITH-ROBY .	3053	4559	4708	87	19·0	11·4	0·21	103	9	3	1	4	1	5	13	18
INCE-IN-MAKERFIELD .	2320	22034	21728	693	31·0	20·7	3·45	167	116	60	37	28	16	44	85	65
IRLAM	4629	6308	8637	221	27·6	10·1	0·46	108	24	6	1	4	8	11	12	22
KEARSLEY	1004	9669	9607	215	21·8	16·8	2·28	153	33	14	8	11	9	15	32	40
KIRKHAM	857	3793	3616	62	15·6	13·8	0·82	112	7	2	5	..	..	8	17	11
LANCASTER (Borough). .	3506	†38513	33861	668	17·3	16·3	1·18	136	91	15	23	22	28	66	144	165
LATHOM AND BUR- SCOUGH	13641	7235	7498	153	20·7	15·7	0·26	84	13	5	2	1	4	15	33	45
LEES	288	3650	4717	101	20·0	17·3	0·63	148	15	7	2	5	4	7	12	30
LEIGH (Borough)	6359	44103	44014	1116	24·5	19·5	3·40	165	185	99	70	43	39	87	161	176
LEYLAND	3725	8088	8776	205	24·1	14·4	1·82	97	20	8	9	8	3	15	27	37

† Population in Public Institutions of persons not belonging to the district excluded.

TABLE I.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis-tered Births.	Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.								
		Census, 1911.	Estimate of Civil Population, 1915.		*Birth-rate.	†Death-rate.	†Death-rate from the seven principal Epidemic Diseases.	†Phthisis Death-rate.		Under 1 year.	1 and under 2.	2 and under 3.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	
LITHERLAND.....	857	14795	15631	481	30.0	16.0	2.23	1.40	137	251	66	14	16	15	12	33	51	44
LITTLEBOROUGH	7856	11697	11702	209	17.4	16.7	0.42	0.76	119	196	25	5	3	8	5	14	68	68
LITTLE CROSBY	1924	844	963	15	15.9	8.3	1.03	1.03	Nil.	8	..	1	..	..	..	..	4	3
LITTLE HULTON	1699	8103	7978	208	25.6	14.2	2.50	0.75	125	114	26	7	8	5	8	13	20	27
LITTLE LEVER	808	5194	4911	99	19.0	15.0	2.85	0.81	161	74	16	4	4	2	2	4	19	23
LONGRIDGE.....	3285	4340	4328	92	21.1	13.1	0.92	0.23	65	57	6	..	1	5	..	6	15	24
LYTHAM	2464	9463	8903	127	12.6	17.5	1.68	0.89	55	156	7	3	6	11	2	23	32	72
MIDDLETON (Borough)	4775	27980	27806	505	17.5	16.1	0.93	1.47	93	449	47	28	11	24	15	57	134	133
MILNROW	5194	8584	8410	150	17.1	18.3	0.95	1.30	140	154	21	3	5	1	4	19	46	55
MORECAMBE (Borough)	1801	12131	12782	193	13.1	18.5	0.46	0.62	77	237	15	7	9	6	4	17	67	112
Mossley (Borough)..	3624	13205	12450	228	17.0	15.9	0.64	1.12	122	198	28	4	10	9	6	23	50	68
NELSON (Borough) ...	3466	39479	40747	618	14.8	10.9	0.68	0.80	92	447	57	9	10	31	31	66	126	117
NEWTON-IN-MAKER-FIELD.....	3105	18451	17502	439	23.0	13.5	1.25	0.97	100	237	44	19	11	10	9	25	53	66
NORDEN	5358	3797	4067	75	18.7	15.4	0.49	0.73	106	63	8	..	2	1	4	6	17	25
ORMSKIRK	593	7407	6739	151	19.9	14.6	0.29	1.33	86	99	13	2	5	4	3	21	19	32

TABLE I.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis-tered Births.	Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.								
		Census, 1911	Estimate of Civil Population, 1915.		*Birth-rate.	†Death-rate.	+Death-rate from the seven principal Epidemic Diseases.	+Phthisis Death-rate.		Under 1 year.	1 and 2 under 2.	2 and 3 under 3.	5 and 16 under 16.	13 and 25 under 25.	25 and 45 under 45.	45 and 65 under 65.	65 and upwards.	
ORRELL	1617	6318	6853	181	28.1	14.7	2.04	0.58	138	101	25	8	7	6	5	8	15	27
OSWALDTWISTLE	4885	15714	15496	310	19.1	14.2	0.96	0.58	138	221	43	7	5	5	5	32	53	71
PADIHAM.....	970	13635	12437	240	16.9	16.0	0.80	1.84	112	200	27	7	6	9	14	21	55	61
POULTON-LE-FYLDE ..	915	2424	2456	39	16.0	13.8	0.40	Nil.	205	34	8	1	..	2	1	..	5	17
PREESALL	3232	1718	1733	27	15.4	16.7	Nil.	1.15	37	29	1	..	..	1	1	3	7	16
PRESCOT	409	8154	8303	218	27.2	15.6	2.04	1.20	96	130	21	10	9	6	4	14	31	35
PRESTWICH	2448	+14152	14569	265	17.2	12.1	0.68	0.96	67	177	18	4	8	5	4	20	50	68
RADCLIFFE	3082	25691	24565	433	16.6	17.7	1.30	0.93	145	436	63	27	19	13	19	44	124	127
RAINFORD.....	5877	3503	3285	81	22.8	11.8	Nil.	0.60	74	39	6	2	1	2	3	2	10	13
RAMSBOTTOM	6423	15146	15056	237	15.2	14.4	1.06	1.26	101	217	24	4	8	6	9	27	62	77
RAWTENSTALL (Borough)	9535	30516	29575	548	17.9	16.2	0.81	0.87	133	481	73	23	10	10	26	60	130	149
RISHTON	2985	7441	7346	119	15.2	13.6	0.54	0.81	75	100	9	1	1	4	5	12	31	37
ROYTON	2147	17069	16981	352	19.9	15.5	0.82	0.94	133	264	47	15	9	12	9	30	75	67
ST. ANNES-ON-THE-SEA	3342	9837	9933	96	8.8	13.1	0.90	0.70	31	131	3	1	2	4	2	19	44	56

† Excluding a population of 3,043 in County Asylum.

TABLE I.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis-tered Births.	Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.								
		Population at all ages.			*Birth-rate.	†Death-rate.	†Death-rate from the seven principal Epidemic Diseases.	†Phthisis Death-rate.		Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	
		Census, 1911.	Estimate of Civil Population, 1915.															
SKELMERSDALE	1942	6822	6689	207	29.5	17.7	2.54	0.74	144	119	30	14	8	4	2	13	26	22
STANDISH-WITH-LANGTREE	3266	7280	7361	180	23.7	14.9	1.63	0.54	144	110	26	14	3	6	1	10	27	23
STRETFORD	3240	42496	44042	668	14.8	12.3	0.81	0.97	89	543	60	15	10	25	30	80	148	175
SWINTON AND PENDLE-BURY	2284	30759	30719	694	21.6	15.2	1.95	1.13	152	469	106	38	30	18	20	53	109	95
THORNTON	2996	4669	4859	96	17.7	11.5	0.61	0.61	72	56	7	..	1	1	4	8	15	20
TOTTINGTON	2544	6769	6602	108	15.4	14.8	1.51	1.36	83	98	9	1	1	6	2	20	14	45
TRAWDEN	6815	2963	2903	49	16.2	7.5	0.34	0.34	122	22	6	1	..	..	..	5	6	4
TURTON	17335	12648	12237	195	15.3	13.0	0.65	0.98	92	160	18	5	6	7	8	15	40	61
TYLDESLEY-WITH-SHAKERLEY	2490	15582	15234	394	25.0	16.4	4.00	0.78	114	250	45	39	26	13	7	28	45	47
ULVERSTON	3172	9552	10199	195	20.4	14.5	0.29	0.58	107	148	21	2	3	3	7	18	38	56
UPHOLLAND	4686	5233	5253	148	28.2	19.4	2.09	1.14	128	102	19	6	3	6	4	15	19	30
URMSTON	991	7912	8034	144	17.5	8.3	0.24	0.62	41	67	6	3	3	..	4	13	6	32
WALTON-LE-DALE . . .	4658	12350	11934	237	19.1	15.5	2.51	0.58	143	185	34	17	9	7	8	19	28	63
WARDLE	3192	†3879	3907	58	14.9	14.8	0.51	1.02	103	58	6	1	2	2	1	6	10	30

† Excluding the number of Inmates (841) in the Union Workhouse.

TABLE I.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages.		Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.							
		Census, 1911.	Estimate of Civil Population, 1915.	Regis-tered Births.	*Birth-rate.	†Death-rate.	†Death-rate from the seven principal Epidemic Diseases.	†Phthisis Death-rate.	Under 1 year.	1 and under 2.	2 and under 3.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.
WATERLOO-WITH-SEAFORTH	986	26396	27473	619	21.2	14.6	1.38	0.58	56	23	20	16	12	58	102	116
WESTHOUGHTON	5560	15046	15333	386	25.3	14.6	1.76	0.91	58	15	13	14	13	20	38	54
WHITEFIELD	1404	6967	6803	121	17.1	16.1	2.05	0.58	11	3	10	..	6	16	26	38
WHITWORTH	4483	8872	8390	158	17.5	17.7	0.35	1.78	12	5	..	4	8	23	52	45
WIDNES (Borough) ..	3093	31541	30911	927	28.4	20.4	2.94	1.39	129	49	45	31	37	75	138	128
WITHNELL	3705	3399	3319	64	18.7	11.1	Nil.	0.60	1	1	..	..	1	4	14	16
WORSLEY	5413	13906	13698	264	18.3	13.9	1.46	0.36	31	9	8	9	6	15	50	63
TOTAL URBAN DISTRICTS	340196	1454654	1436719	30094	19.9	15.6	1.60	1.01	3704	1339	1030	951	918	2660	5535	6289

TABLE II.—DEATHS registered during the year 1915 in the **URBAN DISTRICTS** of the Administrative County of Lancaster, classified according to Diseases and Localities, and distinguishing Deaths of Children under five years of age.

		Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																											
URBAN DISTRICTS.	Age at Death.	Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phtthisis (Pul. Tuberculosis)	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including suicides.	All other Diseases.	
ABRAM	Under 5 upwds	..	10	..	3	1	..	1	..	..	..	..	2	..	1	..	6	4	14	2	16	..	1	..	..	..	2	2	3
ACCINGTON (Borough)	Under 5 upwds	..	3	..	2	1	1	..	..	4	4	..	4	4	2	57	12	9	..	9	..	..	..	2	..	33	..	4	20
ADLINGTON	Under 5 upwds	..	..	..	..	..	..	..	..	..	1	..	..	1	12	..	5	4	29	1	33	..	..	..	..	34	..	2	3
ASHTON-IN-MAKERFIELD ..	Under 5 upwds	..	31	8	15	1	3	..	..	3	5	..	1	4	..	21	4	21	3	1	2	6	..	9	1	..	11	2	65
ASHTON UNDER-LYNE (Borough)	Under 5 upwds	..	29	..	..	1	1	..	..	5	6	..	7	..	47	15	34	2	..	4	3	6	1	15	..	47	7	18	46
ASPULL	Under 5 upwds	..	13	..	12	2	..	..	..	..	..	3	..	2	4	..	5	8	1	8	2	..	..	2	..	3	..	7	5
ATHERTON	Under 5 upwds	..	9	..	5	2	3	..	1	5	1	8	..	6	29	6	9	16	2	10	1	2	1	5	1	12	2	8	8
AUDENSHAW	Under 5 upwds	..	7	..	..	1	4	..	..	..	1	13	..	2	12	1	9	6	1	7	1	1	..	7	..	5	1	3	2

TABLE II.—Continued.

URBAN DISTRICTS		Age at Death.	Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																											
			Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including suicides.	All other Diseases.	
		Under 5 upwds	1	1	1	1	3	2	2	19	2	3	26	2	1	25	9	3	1	2	1	2	2	2	20	2	1	13	5	15
		Under 5 upwds	1	1	1	1	1	1	1	3	2	2	7	2	2	7	3	1	2	1	2	2	2	2	2	2	1	1	2	118
		Under 5 upwds	2	2	2	2	2	2	2	6	2	2	4	2	1	4	6	3	1	3	2	2	2	2	3	3	2	8	1	6
		Under 5 upwds	2	2	2	2	2	2	2	2	2	2	5	2	2	18	1	4	2	2	2	2	2	2	2	2	2	2	2	13
		Under 5 upwds	2	2	2	2	2	2	2	1	2	2	1	1	2	3	2	4	7	2	2	2	2	2	1	1	2	6	2	1
		Under 5 upwds	2	2	2	2	2	2	2	14	2	3	7	1	1	17	19	3	3	1	2	2	2	2	3	3	2	8	1	25
		Under 5 upwds	1	1	1	1	1	1	1	2	2	2	5	1	2	2	3	2	2	1	1	1	1	1	3	3	2	4	1	13
		Under 5 upwds	12	1	1	5	4	4	22	3	2	1	25	3	3	21	40	21	2	14	1	2	1	1	19	2	3	34	13	31
		Under 5 upwds	2	2	2	2	2	2	30	1	1	24	1	1	3	34	43	16	3	8	2	3	3	1	16	2	2	39	4	28
		Under 5 upwds	1	1	1	1	1	1	7	2	1	6	2	1	1	19	9	6	1	1	1	1	1	4	4	2	2	4	1	5
		Under 5 upwds	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	23

TABLE II.—Continued.

URBAN DISTRICTS.		Age at Death.	Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																										
			Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.
CLAYTON-LE-MOORS	Under 5 upwds	.. 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. 6	1 ..	.. 3	.. 6	.. 2	1 1	.. 19	3 10	11 9	1 ..	5 1	.. 1	.. 1	.. ..	.. 7	.. ..	.. ..	13 ..	.. 4	4 31	All other Diseases.	
		.. 1	.. ..	1 ..	5 ..	.. ..	.. ..	.. 13	.. ..	.. ..	.. 15	.. ..	.. ..	.. 20	6 14	4 8	1 3	2 1	.. 1	.. ..	.. ..	.. 16	.. ..	.. ..	6 ..	.. 7	6 50		
COLNE (Borough).	Under 5 upwds	.. 3	6 ..	1 ..	5 ..	1 1	.. 2	.. ..	.. 30	1 ..	.. 2	.. 23	.. ..	.. 45	4 37	11 22	.. ..	10 1	2 4	.. 2	.. 1	.. ..	.. 21	.. 1	.. ..	18 ..	2 4	13 89	All other Diseases.
		.. 1	.. ..	1 1	.. ..	1 ..	.. ..	1 1	.. 9	.. 3	.. 4	.. 12	.. 1	.. 25	3 20	10 10	.. 1	3 ..	.. 1	.. 2	.. ..	.. 11	.. 1	.. ..	17 ..	.. 4	7 54		
CROSTON	Under 5 upwds	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 2	.. 2	1 ..	.. 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 3	.. 8	All other Diseases.
		.. ..	4 2	.. ..	.. ..	.. 2	3 2	.. ..	.. 12	2 2	.. ..	1 11	.. ..	5 ..	.. 19	4 24	9 6	.. ..	6 2	.. ..	.. 1	.. ..	2 2	.. ..	.. ..	14 ..	1 5	10 38	
DALTON-IN-FURNESS	Under 5 upwds	.. 3	24 3	.. 2	12 ..	2 2	2 10	.. ..	.. 22	.. 1	3 6	.. 43	1 2	2 2	.. 62	9 37	21 14	.. 8	11 7	.. 2	.. 3	.. ..	.. 18	.. 1	.. 6	27 ..	2 28	19 173	All other Diseases.
		.. 1	15 2	.. ..	1 ..	.. ..	.. 1	1 1	.. 13	.. ..	1 ..	.. 13	.. ..	2 2	.. 27	4 26	18 15	1 4	4 ..	.. 2	.. ..	.. 8	.. ..	.. ..	17 ..	3 5	8 58		
DENTON	Under 5 upwds	.. 3	5 ..	.. ..	3 ..	1 1	.. 3	.. 1	.. 22	1 1	2 4	.. 15	.. 1	2 ..	.. 8	9 29	6 5	.. ..	9 ..	.. 2	.. 2	.. 1	.. 8	.. 1	.. 3	13 ..	2 3	4 57	All other Diseases.
		.. 6	37 2	4 2	10 1	4 4	.. 6	.. ..	2 58	7 1	2 3	.. 42	.. ..	1 ..	.. 63	19 63	25 24	3 4	23 3	.. ..	.. 3	.. 1	.. 14	.. ..	1 4	28 ..	2 17	24 165	

TABLE II.—Continued.

Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.

URBAN DISTRICTS.	Age at Death.	Enteric	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phtisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.
		Fever.																										
FAILSWORTH.....	Under 5 upwds	.. 2	3 ..	.. 1	3 ..	.. 2	.. 5	.. 1	2 19	3 3	1 1	.. 18	.. 1	2 2	.. 20	5 15	13 11	.. 3	5 3	.. 2	.. 2	.. 3	.. 6	.. ..	.. ..	18 ..	4 11	8 61
FARNWORTH	Under 5 upwds	.. 3	19 ..	.. 2	16 ..	3 4	2 2	.. ..	1 25	3 2	8 3	.. 20	.. 2	1 1	1 36	10 49	15 27	1 6	25 3	.. 1	.. 2	.. ..	.. 16	.. 1	.. ..	26 ..	1 19	20 107
FLEETWOOD	Under 5 upwds	.. 3	.. 1	.. ..	.. ..	4 ..	2 2	.. ..	.. 15	1 1	.. ..	.. 13	.. 1	.. 1	.. 36	6 19	7 12	4 ..	8 1	.. ..	.. ..	.. ..	.. 7	.. ..	.. ..	10 ..	1 14	9 40
FORMBY	Under 5 upwds	.. ..	.. ..	.. ..	1 ..	.. ..	.. ..	.. ..	.. 4	1 ..	.. 1	.. 6	.. ..	.. ..	.. 6	.. 1	2 6	.. 1	1 ..	.. ..	.. ..	.. ..	.. 3	.. ..	.. ..	1 ..	.. 2	.. 19
FULWOOD	Under 5 upwds	.. ..	.. ..	.. 1	1 ..	1 1	2 2	.. ..	.. 2	.. ..	1 1	.. 4	.. ..	.. ..	.. 13	.. 4	.. 2	.. ..	.. ..	.. 1	.. ..	.. ..	.. 2	.. ..	.. ..	4 ..	.. 4	.. 16
GOLBORNE	Under 5 upwds	.. 2	9 ..	.. ..	7 ..	3 3	1 5	.. 1	1 9	1 ..	1 1	.. 5	.. ..	.. 1	.. 5	11 5	5 6	.. ..	10 2	.. ..	.. 2	.. ..	.. ..	.. ..	.. ..	9 ..	.. 8	11 27
GRANGE-OVER-SANDS	Under 5 upwds	.. ..	.. ..	.. ..	.. ..	.. 3	.. 1	.. ..	.. 3	.. ..	.. ..	.. 4	.. ..	.. ..	.. 6	.. 2	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 1	1 10
GREAT CROSBY ..	Under 5 upwds	.. ..	2 ..	.. 2	1 ..	2 2	3 3	.. ..	1 11	1 ..	.. ..	.. 8	.. ..	1 2	1 10	2 9	3 8	.. 2	1 1	1 1	.. 1	.. ..	.. 4	.. ..	.. ..	8 ..	1 3	2 28
GREAT HARWOOD.	Under 5 upwds	.. 1	2 ..	.. ..	5 ..	3 ..	2 2	.. ..	.. 15	.. ..	1 1	.. 8	.. ..	2 2	1 24	2 19	5 12	.. 2	2 ..	.. 3	.. ..	.. ..	.. 3	.. ..	.. ..	8 ..	.. ..	7 42
HASLINGDEN (Borough)	Under 5 upwds	.. 1	10 ..	.. 1	8 ..	1 ..	6 6	.. ..	2 21	2 ..	1 5	.. 26	.. ..	2 ..	.. 37	4 18	8 20	.. 2	1 1	.. 2	.. 2	.. ..	1 13	.. ..	.. 3	13 ..	.. 5	9 56

TABLE II.—Continued.

Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																													
URBAN DISTRICTS.	Age at Death.	Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.	
		Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5
HAYDOCK	Under 5 upwds	1	12	3	5	1	5	..	6	1	1	12	..	1	17	10	13	7	..	8	1	1	..	3	..	10	10	5	7
HEYSHAM	Under 5 upwds	1	..	..	..	..	3	..	2	1	..	5	..	..	8	6	3	..	1	1	1	1	..	2	..	..	..	1	1
HEYWOOD (Borough)	Under 5 upwds	1	36	4	1	5	8	1	30	2	1	31	1	1	1	31	15	10	1	4	1	4	..	1	..	20	20	5	28
HINDLEY	Under 5 upwds	2	63	2	16	2	1	3	21	..	4	25	1	5	35	8	44	28	2	23	3	..	3	2	1	24	24	2	13
HORWICH	Under 5 upwds	..	16	3	..	4	..	..	15	..	1	11	1	1	16	..	4	6	..	4	1	4	1	5	1	12	12	1	6
HURST	Under 5 upwds	1	5	..	1	..	2	..	15	1	1	7	2	2	15	8	9	6	1	8	1	..	..	1	1	5	5	..	7
HUYTON-WITH-ROBY	Under 5 upwds	..	..	..	1	..	2	..	6	..	1	5	..	..	10	1	2	2	..	..	..	1	3	..	..	8	8	..	1
INCE-IN-MAKERFIELD	Under 5 upwds	2	23	2	15	2	4	..	21	2	4	10	4	6	15	20	34	20	2	27	1	1	1	13	1	40	40	2	33
IRLAM	Under 5 upwds	..	..	..	..	..	..	..	7	2	2	7	..	1	6	4	3	4	1	4	1	..	..	4	1	11	11	1	3
KEARSLEY	Under 5 upwds	..	12	1	1	1	..	..	10	..	2	14	..	..	4	4	1	12	1	5	..	..	..	8	..	20	20	5	8

TABLE II. —Continued.

Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.

URBAN DISTRICTS.	Age at Death.	Enteric	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phtisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.	
		Fever.																											
KIRKHAM	Under 5 5 upwds	..	..	1	1	..	..	..	3	..	..	4	1	..	..	3	1	1	1	1	..	..	..	..	..	5	1	2
LANCASTER (Borough)	Under 5 5 upwds	5	9	1	5	2	4	..	4	1	3	31	3	1	4	47	17	20	1	15	4	..	3	16	1	2	26	5	21
LATHOM AND BURSCOUGH	Under 5 5 upwds	..	..	..	..	..	2	..	10	1	1	9	..	..	22	3	5	7	..	1	1	1	..	..	..	4	3	5
LEES	Under 5 5 upwds	..	..	..	..	..	1	..	5	2	3	11	1	1	8	2	4	2	..	2	..	1	2	..	..	4	3	5
LEIGH (Borough).	Under 5 5 upwds	4	65	8	4	3	5	..	56	4	8	32	7	10	71	65	66	35	8	46	3	5	..	1	1	52	3	16	
LEYLAND	Under 5 5 upwds	1	1	..	3	5	4	..	6	2	4	8	..	..	7	4	5	11	2	3	..	..	..	3	1	6	2	3
LITHERLAND	Under 5 5 upwds	1	1	..	3	2	..	1	21	3	2	9	..	2	14	4	15	13	3	24	..	3	..	1	..	23	2	11	
LITTLEBOROUGH .	Under 5 5 upwds	..	..	1	2	1	2	..	9	..	2	12	..	1	28	3	3	4	1	1	1	..	..	8	..	8	12	13
LITTLE CROSBY .	Under 5 5 upwds	..	..	..	..	1	..	..	1	..	..	2	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1
LITTLE HULTON .	Under 5 5 upwds	2	5	..	4	1	1	..	6	1	1	..	..	2	..	..	1	8	..	6	..	3	1	5	..	9	3	4

TABLE II.—Continued.

Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																														
URBAN DISTRICTS.	Age at Death.	Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.		
LITTLE LEVER ..	Under 5 upwds	..	..	1	4	..	..	1	4	..	..	4	..	..	1	8	3	1	..	9	..	..	..	..	..	..	5	..	1	14
	
LONGRIDGE.....	Under 5 upwds	..	..	..	..	..	..	..	1	..	2	2	1	..	6	..	1	2	..	1	..	..	..	..	..	..	3	..	1	24
	
LYTHAM	Under 5 upwds	2	1	..	..	2	2	..	8	..	1	13	2	..	19	..	15	2	1	1	6	2	..	..	..	..	2	..	1	5
		..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	12	..	..	..	..	..	..	..	..	..	..	2	46
MIDDLETON (Borough)	Under 5 upwds	1	9	..	..	2	..	..	41	5	1	33	1	..	60	..	4	21	5	8	2	2	..	..	..	..	17	..	3	15
		..	..	..	..	4	1	..	..	4	..	..	..	1	1	..	64	24	..	..	..	..	..	22	..	..	..	18	77	
MILNROW	Under 5 upwds	..	1	1	..	2	1	..	11	..	2	11	..	..	20	..	1	5	..	4	..	..	..	..	..	5	..	..	5	7
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	3	..	..	..	..	..	9	2	..	..	5	51	
MORECAMBE (Borough)	Under 5 upwds	1	3	..	1	..	4	..	8	1	2	17	1	2	26	..	2	5	3	3	1	..	1	..	..	5	..	1	4	6
		..	..	..	..	..	11	..	..	..	..	..	..	..	..	..	15	12	..	1	..	3	1	7	..	..	..	4	92	
MOSSLEY (Borough)	Under 5 upwds	..	4	3	..	..	..	1	13	1	2	13	..	..	38	..	4	6	1	..	..	..	..	..	..	16	..	1	4	5
		..	..	1	..	..	5	..	..	..	..	..	..	..	..	..	11	11	3	..	..	..	..	15	..	..	..	4	37	
NELSON (Borough)	Under 5 upwds	1	2	3	2	5	1	..	33	..	1	27	6	2	49	..	6	8	2	3	2	..	1	18	..	32	..	..	5	10
		..	..	2	..	8	..	..	..	..	..	..	..	..	..	..	54	27	7	2	..	..	..	..	..	..	..	5	118	
NEWTON-IN-MAKERFIELD ..	Under 5 upwds	1	1	1	7	1	4	..	16	5	3	10	1	2	10	..	21	16	..	10	3	..	..	1	..	12	..	1	12	15
		..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	11	..	..	..	..	..	4	..	..	..	12	60	
NORDEN	Under 5 upwds	..	..	..	..	1	..	..	3	..	..	2	1	1	10	..	8	4	..	1	..	..	..	6	..	4	..	..	3	13
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	1	..	..	..	..	..	..	..	3	..

TABLE II.—Continued.

URBAN DISTRICTS.		Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																				All other Diseases.								
		Age at Death.	Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.		
ORMSKIRK.....	Under 5 upwds	..	1	..	..	..	1	4	..	9	..	1	4	..	1	12	10	3	..	..	1	..	..	..	1	..	4	1	9	
	5 upwds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	10	..	..	..	1	..	..	4	..	..	2	18	
ORRELL	Under 5 upwds	2	..	2	2	..	2	..	4	1	2	2	2	1	5	8	5	7	..	1	7	2	1	..	..	1	8	..	2	1
	5 upwds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	6	..	..	..	..	..	..	..	..	..	..	16	
OSWALDTWISTLE ..	Under 5 upwds	1	3	..	1	..	..	5	..	9	..	1	17	..	6	14	9	3	1	1	7	3	1	..	7	19	..	10	6	
	5 upwds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21	8	..	1	2	..	..	..	1	..	..	10	64	
PADIHAM.....	Under 5 upwds	2	1	..	1	3	..	2	..	23	2	1	9	1	1	18	4	8	3	..	3	3	1	..	9	9	..	3	6	
	5 upwds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	4	..	..	..	..	..	..	1	..	..	3	60	
POULTON-LE-FYLDE	Under 5 upwds	..	..	..	..	..	..	..	..	..	..	..	2	..	..	4	3	1	..	..	..	..	..	..	..	4	..	..	2	17
	5 upwds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PREESALL	Under 5 upwds	..	..	..	..	..	..	1	..	2	..	..	4	..	..	7	1	1	1	..	..	..	..	..	1	..	..	2	..	9
	5 upwds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PRESCOT	Under 5 upwds	1	9	..	2	2	2	1	10	1	..	..	6	3	2	10	2	9	2	1	3	..	..	..	10	8	..	2	1	32
	5 upwds	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	11	2	2	..	..	..	..	..	..	..	..	2	..	..
PRESTWICH	Under 5 upwds	..	2	1	1	..	1	1	14	2	1	1	22	1	1	23	15	4	10	1	3	1	2	..	5	9	..	1	4	43
	5 upwds	..	..	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..
RADCLIFFE	Under 5 upwds	1	13	1	6	1	1	8	23	4	4	35	..	2	4	21	23	17	2	6	1	2	..	1	15	22	4	9	5	116
	5 upwds	..	1	..	1	1	..	..	..	1	6	..	..	..	..	..	58	15	3	2	..	..	..	..	..	..	..	9	..	..
RAINFORD.....	Under 5 upwds	..	..	..	..	..	..	..	2	..	1	4	..	1	3	..	1	3	..	..	1	..	..	..	..	6	..	3	..	..
	5 upwds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE II.—Continued.

Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.

URBAN DISTRICTS	Age at Death.	Enteric	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including suicides.	All other Diseases.	
		Fever.																											
RAMSBOTTOM ...	Under 5 upwds	.. ..	4 ..	.. ..	.. ..	.. 2	1 3	.. ..	.. 19	.. 1	1 2	.. 10	.. 1	2 1	.. 24	4 23	6 10	.. 2	9 1	.. 1	.. ..	.. ..	.. ..	.. 12	.. ..	.. ..	5 ..	2 9	2 60
RAWTENSTALL (Borough)	Under 5 upwds	.. 1	9 1	1 ..	2 ..	3 3	.. 6	.. ..	.. 26	1 1	3 6	.. 31	.. 4	2 ..	.. 67	13 39	8 31	.. 4	2 2	.. ..	.. ..	.. 3	.. 1	.. 33	.. ..	.. ..	30 ..	4 11	28 105
RISHTON	Under 5 upwds	.. ..	2 ..	.. ..	.. ..	.. ..	.. 2	.. ..	.. 6	2 ..	.. 3	.. 7	.. 1	.. 1	.. 11	.. 11	1 3	.. 2	2 ..	.. ..	.. ..	.. 1	.. ..	.. 6	.. ..	.. 2	4 ..	.. 4	.. 29
ROYTON	Under 5 upwds	.. ..	4 ..	.. ..	2 ..	1 ..	.. 2	.. ..	1 15	.. 1	2 1	.. 10	.. 1	3 1	3 35	7 23	7 9	1 6	7 ..	.. ..	.. 3	.. 5	.. ..	.. 12	.. ..	.. 5	19 ..	2 4	13 59
ST. ANNES-ON-THE-SEA	Under 5 upwds	.. 1	.. ..	.. 1	.. ..	1 ..	.. 2	.. ..	.. 7	.. 1	.. 5	.. 11	.. ..	.. 2	.. 20	.. 11	.. 12	.. 2	3 3	.. ..	.. ..	.. 1	.. 5	.. ..	.. ..	.. ..	.. ..	.. 1	2 39
SKELMERSDALE ..	Under 5 upwds	.. ..	11 1	1 ..	.. ..	.. ..	.. 1	.. ..	1 4	.. 1	1 ..	.. 4	.. 1	.. 1	.. 9	2 3	7 11	.. 3	4 ..	.. ..	.. ..	.. ..	.. 5	.. ..	.. ..	19 ..	.. ..	.. ..	5 23
STANDISH-WITH-LANGTREE	Under 5 upwds	.. 1	.. ..	.. ..	4 ..	2 1	.. 2	.. 1	.. 4	3 ..	.. 1	.. 2	.. ..	.. 1	.. 4	1 3	13 8	.. ..	3 ..	.. 2	.. 2	.. ..	.. 1	.. ..	.. ..	9 ..	1 2	6 32	
STRETTFORD	Under 5 upwds	.. 2	12 1	1 ..	4 1	1 4	.. 4	.. ..	1 42	2 3	2 7	.. 51	.. 7	1 3	.. 60	9 39	2 30	2 8	8 2	.. 1	.. 1	.. 3	.. 1	.. 14	.. 1	24 1	1 21	15 151	
SWINTON AND PENDLEBURY..	Under 5 upwds	1 1	28 ..	3 ..	2 ..	4 1	.. 4	1 ..	4 31	1 ..	6 3	.. 29	1 4	2 4	.. 41	5 32	44 22	.. 1	20 ..	.. 4	.. 3	.. ..	2 13	.. 2	.. ..	33 ..	3 9	14 91	
THORNTON	Under 5 upwds	.. ..	.. ..	1 ..	.. ..	.. ..	.. ..	.. ..	.. 3	.. ..	.. 1	.. 4	.. 2	.. 1	.. 3	.. 4	2 1	.. 1	.. 2	.. 1	.. ..	.. ..	.. 2	.. ..	.. ..	5 ..	.. 2	.. 21	

TABLE II.—Continued.

Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.

URBAN DISTRICTS.	Age at Death.	Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phtthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.	
TOTTINGTON	Under 5 upwds	1	1	1	..	..	4	..	9	..	..	6	1	1	18	1	3	3	..	2	..	1	..	3	2	..	2	3	22
TRAWDEN	Under 5 upwds	..	..	..	..	..	..	..	1	..	..	2	..	..	2	2	3	..	..	1	..	..	..	1	..	2	..	..	1
TURTON	Under 5 upwds	..	5	..	..	1	2	..	11	1	1	13	..	3	14	6	4	8	..	..	..	1	..	4	..	3	..	5	6
TYLDESLEY-WITH-SHAKERLEY	Under 5 upwds	4	1	..	1	2	..	..	11	1	3	10	2	1	17	4	12	22	1	16	2	1	..	2	..	14	..	11	10
ULVERSTON	Under 5 upwds	..	..	..	..	..	3	..	6	..	1	1	2	1	26	3	2	3	3	..	..	2	..	10	..	8	..	1	4
UPHOLLAND	Under 5 upwds	4	3	1	..	1	1	1	6	1	..	3	..	1	6	3	3	3	1	1	..	1	..	3	..	11	..	7	3
URMSTON	Under 5 upwds	..	..	1	1	..	2	1	5	..	..	9	..	1	3	8	2	3	..	..	..	..	4	..	..	4	..	1	1
WALTON-LE-DALE	Under 5 upwds	2	3	2	2	2	2	..	7	2	1	12	3	2	17	2	7	6	2	9	2	..	1	2	..	8	..	1	11
WARDLE	Under 5 upwds	..	..	..	..	1	3	..	4	..	..	3	1	1	5	8	1	2	..	1	..	..	..	..	..	2	..	4	3
WATERLOO-WITH-SEAFORTH	Under 5 upwds	3	1	1	12	3	5	1	16	4	1	39	1	2	25	8	18	25	7	9	2	5	1	..	..	24	1	10	13
		..	..	1	..	2	..	..	..	4	..	..	2	3	..	17	25	..	7	6	2	..	1	..	..	..	10	11	119

TABLE II.—Continued.

URBAN DISTRICTS.		Age at Death.	Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																											
			Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phtthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhilitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.	
WESTHOUGHTON .	Under 5 upwds	.. 1	6	1	1	1	.. 4	.. ..	1 13	1 ..	1 2	.. 10	.. ..	3 ..	.. 18	1 16	27 12	.. 2	13 1	.. ..	.. ..	.. ..	.. ..	.. 6	.. 1	1 ..	23 ..	1 9	5 41
		.. 2	4	1	2	1	.. ..	.. ..	.. 4	.. ..	1 3	.. 4	.. ..	.. ..	.. 22	.. 3	6 9	.. ..	3 1	.. ..	.. ..	.. ..	.. 6	.. ..	.. ..	3 ..	4 6	.. 25	
		.. ..	.. ..	.. ..	.. ..	.. 2	.. ..	.. ..	.. 15	5 1	.. 2	.. 11	.. 1	.. ..	.. ..	.. 20	1 9	3 6	.. 2	1 2	.. ..	.. ..	.. ..	.. 18	.. ..	.. 2	4 ..	.. 4	3 37
WIDNES(Borough)	Under 5 upwds	.. 3	9	1	28	4 2	.. 10	.. 1	.. 43	.. 3	1 5	.. 17	.. 1	7 6	1 35	25 67	47 27	4 8	29 11	.. ..	.. 1	.. ..	.. ..	2 22	.. 1	.. 3	44 ..	2 16	19 122
		.. ..	.. ..	.. ..	.. ..	.. ..	.. 3	.. ..	.. 2	.. ..	.. ..	.. 4	.. ..	.. ..	.. 7	.. 2	2 3	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 1	.. ..	.. ..	.. 13
WORSLEY	Under 5 upwds	.. 2	6	..	1	2 3 1	.. 5	1 ..	1 2	.. 9	.. 1	1 13	7 29	6 13	6 2 1	.. 3	12 8	5 51
	
TOTAL URBAN DISTRICTS		2 114	703 44	73 49	286 10	111 112	21 255	9 26	32 1421	118 65	123 192	4 1343	6 109	135 95	11 2065	530 1946	946 1086	44 194	684 125	4 97	.. 133	1 26	25 773	.. 26	6 96	1297 3	111 634	791 5314		

TABLE III.—DEATHS registered during the year 1915 in the **RURAL DISTRICTS** of the Administrative County of Lancaster, classified according to Ages and Localities, and showing also the Area and Population of such Localities, and the Birth-rate and Death-rates during the year.

NOTES.—The Area and “Census” Population of each District are taken from the Census Return.

The Births and Deaths in each District are corrected by the inward and outward transfers supplied by the Registrar-General.

*Birth-rate calculated on the Estimated Population for 1914.

†Death-rate calculated on an Estimate of the Civil Population prepared by the Registrar-General.

RURAL DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis-tered Births.	Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.								
		Census, 1911.	Estimate of Civil Population, 1915.		*Birth-rate.	†Death-rate.	+Death-rate from the seven principal Epidemic Diseases.	†Phthisis Death-rate.		At all Ages.	Under 1 year.	1 and 2 under 2.	2 and 3 under 3.	3 and 16 under 16.	16 and 25 under 25.	25 and 45 under 45.	45 and 65 under 65.	65 and upwards.
BARTON-UPON-IRWELL.....	6793	9270	9685	203	20.8	11.5	0.92	0.92	59	112	12	8	5	4	2	22	19	40
BLACKBURN	20150	†8920	8853	164	18.3	13.5	0.67	0.56	60	120	10	2	2	4	2	21	32	47
BURNLEY	41774	19848	19766	302	14.7	13.6	0.70	0.75	115	270	35	6	11	15	10	40	61	92
BURY.....	12016	9043	9258	169	18.1	14.7	1.40	0.54	118	137	20	5	1	7	3	19	45	37
CHORLEY.....	39988	21493	21947	450	20.1	13.1	0.77	1.09	93	289	42	20	13	8	18	31	59	98
CLITHEROE (Lancashire portion).....	32168	6342	6203	108	17.0	13.8	0.80	0.64	74	86	8	3	..	5	5	9	24	32
FYLDE	38768	11578	11592	247	20.1	13.6	1.20	0.51	105	158	26	6	6	5	9	12	35	59
GARSTANG.....	57380	10691	10457	179	16.7	12.5	0.19	0.76	72	131	13	1	..	3	5	12	36	61
LANCASTER	54503	9085	8763	150	16.2	12.8	1.36	0.79	106	113	16	4	5	2	1	13	18	54
LEIGH	11574	10077	10375	276	26.7	15.3	3.18	0.86	119	159	33	15	14	13	4	27	23	30
LIMEHURST	4689	10566	9007	208	22.1	17.8	0.88	0.99	139	161	29	6	11	3	11	17	34	50

† Population in Public Institutions of persons not belonging to the district excluded.

TABLE III.—Continued.

RURAL DISTRICTS.	Area in Statute Acres.	Population at all ages.		Regis-tered Births.	Annual Rates per 1000 of estimated population.				Rate of Infant Mortality measured by the proportion of deaths under 1 yr. to 1000 births.	Mortality from all causes at subjoined ages.								
		Census, 1911.	Estimate of Civil Population, 1915.		*Birth- rate.	+Death- rate.	+Death- rate from the seven principal Epidemic Diseases.	+Phthisis Death- rate.		Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	
LUNESDALE	76267	6882	6588	106	15.4	14.2	0.91	0.30	103	94	11	2	2	3	9	19	46	
PRESTON	52929	†18760	18822	335	17.8	12.9	0.90	0.47	68	243	23	8	7	4	24	68	97	
SEFTON	14867	5953	5377	87	14.6	13.9	1.11	0.74	137	75	12	1	2	2	13	18	25	
ULVERSTON	127549	17019	17035	307	18.0	12.6	0.29	0.52	58	215	18	3	2	8	15	48	110	
WARRINGTON	19355	†11582	10903	247	19.3	14.5	1.28	0.82	121	159	30	9	8	5	16	31	54	
WEST LANCASHIRE .	61555	20683	20205	383	18.2	12.8	0.64	0.64	65	259	25	12	5	8	27	75	101	
WHISTON	31179	†18717	18587	455	23.0	14.0	1.12	0.53	92	262	42	10	14	19	29	55	89	
WIGAN	11695	6327	6346	125	19.4	12.1	1.41	0.63	168	77	21	4	1	2	11	4	30	
TOTALS :—																		
RURAL DISTRICTS	715199	232806	229769	4501	18.9	13.5	0.97	0.70	94	3120	426	125	109	127	367	704	1152	
URBAN DISTRICTS	340196	1454654	1436719	30094	19.9	15.6	1.60	1.01	123	224263	704	1339	1030	951	2660	5535	6289	
ADMINISTRATIVE COUNTY	1055395	1687460	1666488	34595	19.7	15.3	1.52	0.96	119	255464	4130	1464	1139	1078	3027	6239	7441	

† Population in Public Institutions of persons not belonging to the district excluded.

TABLE IV.—DEATHS registered during the year 1915 in the **RURAL DISTRICTS** of the Administrative County of Lancaster, classified according to Diseases and Localities, and distinguishing Deaths of Children under five years of age.

RURAL DISTRICTS.		Age at Death.	Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																												
			Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.		
BARTON-UPON-IRWELL	Under 5	5	..	3	..	3	..	..	2	..	1	..	10	..	..	15	14	3	..	1	..	..	..	..	..	..	1	7	1	4	
	upwds	5	2	..	..	..	..	..	7	1	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	2	..	..	6	19	
BLACKBURN	Under 5	5	..	1	..	1	..	..	..	..	..	8	..	2	1	27	15	3	..	..	1	..	..	..	..	..	..	5	..	..	1
	upwds	5	1	..	..	..	..	..	5	..	..	..	..	..	..	..	..	12	..	..	..	..	..	..	..	2	..	..	..	21	
BURNLEY	Under 5	5	..	2	..	2	..	..	15	4	3	..	17	..	3	29	35	8	..	3	..	..	..	..	..	..	..	15	2	2	10
	upwds	5	2	..	..	..	..	..	..	3	..	..	..	..	..	..	..	11	..	3	4	1	..	..	..	..	..	..	6	71	
BURY.....	Under 5	5	..	1	..	1	..	..	..	..	..	9	..	..	3	23	14	3	..	4	1	..	..	..	..	..	8	1	4	1	31
	upwds	5	1	..	..	..	..	..	5	..	..	..	..	..	..	..	..	8	..	1	..	..	..	..	..	..	..	..	..	..	..
CHORLEY.....	Under 5	5	..	1	1	1	1	..	24	2	1	26	..	1	1	27	19	10	1	7	1	2	..	..	..	..	19	4	8	13	81
	upwds	5	..	..	..	..	..	1	..	1	2	..	..	..	..	..	..	5	2	..	..	..	..	..	..	..	..	..	..	..	..
CLITHEROE (Lancashire portion)	Under 5	5	..	1	..	1	1	..	4	2	1	9	..	..	1	9	10	2	..	1	..	..	..	..	..	2	2	..	..	..	1
	upwds	5	..	..	..	..	..	..	4	1	1	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	23
FYLDE	Under 5	5	..	4	4	4	..	3	1	..	..	6	..	1	2	24	6	8	..	..	..	..	..	..	..	..	12	2	2	5	51
	upwds	5	2	..	..	..	..	..	5	..	..	..	..	..	..	..	..	8	1	..	3	..	..	..	..	..	..	..	..	..	..

TABLE IV.—Continued.

RURAL DISTRICTS.		Age at Death.	Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																														
			Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phtisis (Pul. Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including Suicides.	All other Diseases.				
GARSTANG.....	Under 5 upwds	..	1	..	7	..	8	..	..	..	..	11	1	..	10	13	2	4	3	..	..	1	1	..	3	..	7	..	2	4			
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	1	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	4	..	..	..	..	..	..	..	..	..	..	..	..
LANCASTER	Under 5 upwds	..	3	5	..	..	1	..	7	1	..	11	..	..	7	..	1	1	..	3	..	..	..	..	2	..	6	1	4	5	40		
		..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	4	1	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	7	2	6	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	2	..	..	..	..	..	..	..	..	..	..	..	..
LEIGH	Under 5 upwds	1	3	..	1	2	1	9	..	3	2	6	..	..	9	8	7	7	4	6	..	2	..	..	1	1	3	7	1	5	28		
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	14	1	5	..	..	..	1	2	..	14	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	7	1	1	..	1	..	3	2	..	1	..	..	..	..	..
LIMEHURST	Under 5 upwds	..	..	..	3	1	..	9	..	1	1	11	..	..	21	10	2	7	1	5	..	1	..	..	1	2	..	14	..	7	38		
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	1	..	..	..	..	..	..	..	..	..	..	..	..
LUNESDALE	Under 5 upwds	..	1	..	3	1	..	2	..	..	..	7	..	..	8	4	1	2	1	..	1	..	..	..	..	..	..	4	1	2	43		
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	2	1	1	..	..	..	..	..	..	..	..	..	..	..	..
PRESTON	Under 5 upwds	..	7	1	1	3	7	9	..	1	1	20	..	2	28	21	3	6	1	3	1	..	..	..	1	1	..	4	8	4	81		
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	6	1	1	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	3	1	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	10	1	1	..	..	..	..	..	..	..	..	..	..	..	..
SEFTON	Under 5 upwds	..	..	..	3	..	1	4	..	..	..	7	..	..	3	7	1	4	1	3	..	2	..	..	1	1	..	4	1	2	23		
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..
ULVERSTON	Under 5 upwds	..	..	..	..	1	2	9	..	1	..	15	..	..	31	21	4	4	..	2	5	..	..	1	..	..	8	1	6	2	75		
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	11	..	3	..	..	..	..	..	..	..	..	..	..	..	..
WARRINGTON	Under 5 upwds	..	3	1	2	1	..	9	..	1	1	16	..	..	11	11	7	9	1	3	2	..	..	..	..	..	10	1	11	1	5	28	
		..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	11	14	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
WEST LANCASHIRE	Under 5 upwds	..	3	..	4	2	3	13	..	..	2	20	..	..	17	21	4	11	1	1	..	1	..	..	..	..	10	1	13	1	3	82	
		..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	21	18	7	..	1	4	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE IV.—Continued.

Mortality from subjoined causes, distinguishing Deaths of Children under five years of age.																													
RURAL DISTRICTS.	Age at Death.	Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Group.	Influenza.	Erysipelas.	Phthisis (Pul. Tuberculosis.)	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, malignant disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy & Parturition.	Congenital Debility, Malformation, Premature Birth.	Violent deaths, including suicides.	All other Diseases.	
WHISTON	Under 5 upwds	..	9	1	1	2	1	2	4	20	3	..	17	6	9	..	1	6	2	20	2	..	21	1	7
	Under 5 upwds	..	1	1	4	1	10	23	19	1	1	7	60
WIGAN	Under 5 upwds	..	3	..	5	1	1	1	7	1	6	1	6	..	4
	Under 5 upwds	4	3	3	3	1	5	24
TOTALS:—																													
RURAL DISTRICTS.	Under 5 upwds	..	63	11	38	15	1	1	3	16	10	..	1	14	4	46	106	7	49	..	..	..	2	..	1	169	17	86
	Under 5 upwds	11	7	8	3	9	47	6	158	12	19	230	14	16	323	263	157	30	10	22	15	2	9	17	1	104	871		
URBAN DISTRICTS.	Under 5 upwds	2	703	73	286	111	21	9	32	118	123	4	6	135	11	530	946	44	684	4	..	1	25	..	6	1297	111	791	
	Under 5 upwds	114	44	49	10	112	255	26	1421	65	192	1343	109	95	2065	1946	1086	194	125	97	133	26	773	26	96	3	634	5314	
ADMINISTRATIVE COUNTY.....	Under 5 upwds	2	766	84	324	126	22	10	35	134	133	4	7	149	15	576	1052	51	733	4	..	1	27	..	7	1466	128	877	
	Under 5 upwds	125	51	57	13	121	302	32	1579	77	211	1573	123	111	2388	2209	1243	224	135	119	148	28	869	35	113	4	738	6185 +	

No deaths from Small-pox, Typhus Fever, or Cholera.

* Includes 112 suicides.

+ Comprises "other defined diseases" 6,167 (including 6 deaths from Acute Poliomyelitis, and 23 deaths from Cerebro-Spinal Fever) and 895 deaths from diseases "ill defined or unknown."

*EXTRACT FROM THE METEOROLOGICAL REPORT

BY THE

REV. W. SIDGREAVES, S.J., F.R.A.S.,

*Of Stonyhurst College Observatory.*SUMMARY OF OBSERVATIONS
FOR 1915.

Results of Observations taken during the Year.					Mean for the last 68 years.	
<i>Readings of Barometer in inches.</i>						
Mean of the year	...	...	...	29.451	29.493
Highest Monthly Mean (May)	...	...	...	29.647	29.747
Lowest	„	„	(February)	...	29.085	29.221
Highest Reading (November)	...	...	...	30.366	30.295
Lowest	„	(January)	28.080	28.204
Range	2.286	2.091
<i>Thermometer, Fahrenheit.</i>						
Highest Monthly Mean Temperature						
	(August)			57.0	58.6	
Lowest	„	„	(November)	36.3	35.5	
Highest Reading of a Max. Therm.						
(May 25th)	...	...	...	73.5	81.6
Lowest Reading of a Min. Therm.						
(November 17th)	...	...	...	18.0	15.9
Range of Thermometer Readings	...	...	...	55.5	65.7
Mean of Highest Daily	„	...	...	52.8	54.6
Mean of Lowest Daily	„	...	...	40.9	40.9
Mean Daily Range	...	...	...	11.9	13.7
Deduced Mean Temperature (from mean						
of Max. and Min.)	...	...	...	45.8	46.8
Mean Temperature from Dry Bulb	...	...	...	47.3	47.1
Adopted Mean Temperature of the Year.	...	...	...	46.6	47.0
Mean Temperature of Evaporation	...	...	...	43.9	44.6
Mean Temperature of Dew Point	...	...	...	40.9	42.1
Mean elastic force of Vapour	...	inches	...	0.265	0.274	
Mean weight of Vapour in a cubic foot of						
air	...	...	... grains	3.0	3.2
Mean additional weight required for						
saturation	...	...	... grains	0.7	0.7
Mean degree of Humidity (saturation 100)	...	...	...	81	83

* Introduced by kind permission.

Results of Observations taken during the Year.			Mean for the last 68 years.
Mean weight of a cubic foot of air.. grains	538.8		539.1
Mean amount of Cloud (0—10)	6.3		7.3
Total fall of Rain . ... ..inches	43.837		47.017
Greatest Monthly Rainfall (Dec.) ,,	7.525		7.488
Least ,, ,, (Sept.) ,,	0.777		1.218
Greatest Rainfall in one day (Jan. 15th) ,,	1.220		1.624
No. of days per Month on which .005 inch or more Rain fell	14.4		17.1

SUMMARY OF WIND.

Prevailing direction	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
No. of days for each	70	40	40	9	26	44	119	17
Mean Velocity in miles per hour ...	5.2	6.7	8.2	12.3	10.7	9.1	8.9	8.0
Total No. of miles for each direction .	8755	6469	7891	2655	6677	9586	25332	3258

			Mean for the last 48 years.
Total No. of miles registered	*70623		86201.7
Greatest Monthly Total (February) ...	8455		10016.9
Least ,, ,, (August) ...	3918		5041.2
Greatest hourly velocity (Dec. 31st) ...	44		51.6
Prevailing Direction of Wind	W		W

* This is the lowest yearly run on record, being 6542 miles below the previous record, which occurred in 1909.

